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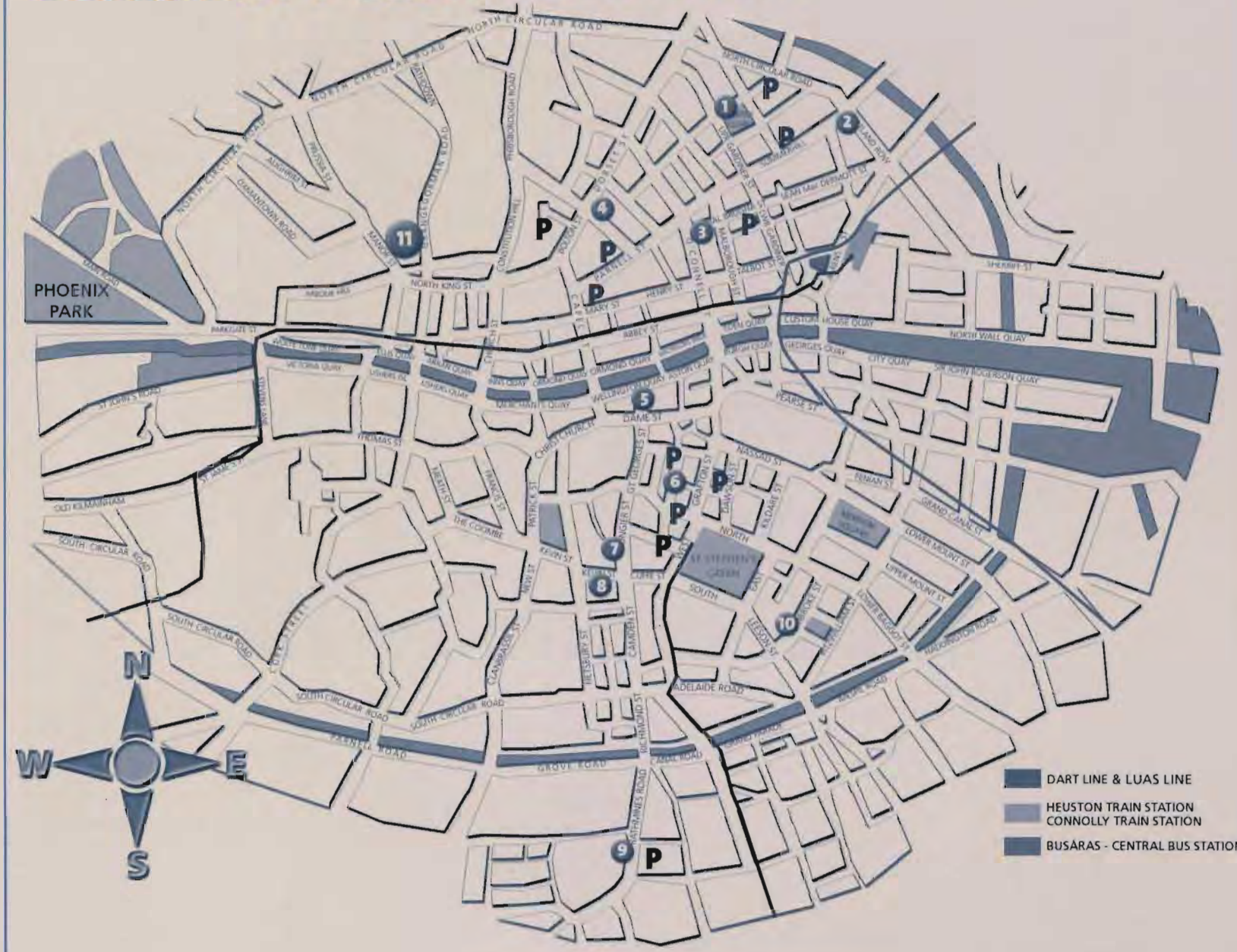
2005

PART-TIME PROGRAMMES
CURSAÍ PÁIRTAIMSEARTHA

DUBLIN INSTITUTE OF TECHNOLOGY / INSTITIÚID TEICNEOLAÍOCHTA ÁTHA CLIATH

DUBLIN CITY CENTRE LOCATIONS



DIT MAIN LOCATIONS

1	DIT MOUNTJOY SQUARE
2	DIT PORTLAND ROW
3	DIT CATHAL BRUGHA STREET
4	DIT BOLTON STREET
5	DIT TEMPLE BAR
6	DIT CHATHAM ROW
7	DIT AUNGIER STREET
8	DIT KEVIN STREET
9	DIT RATHMINES ROAD
10	DIT PEMBROKE STREET
11	GRANGEGORMAN
P	PARKING

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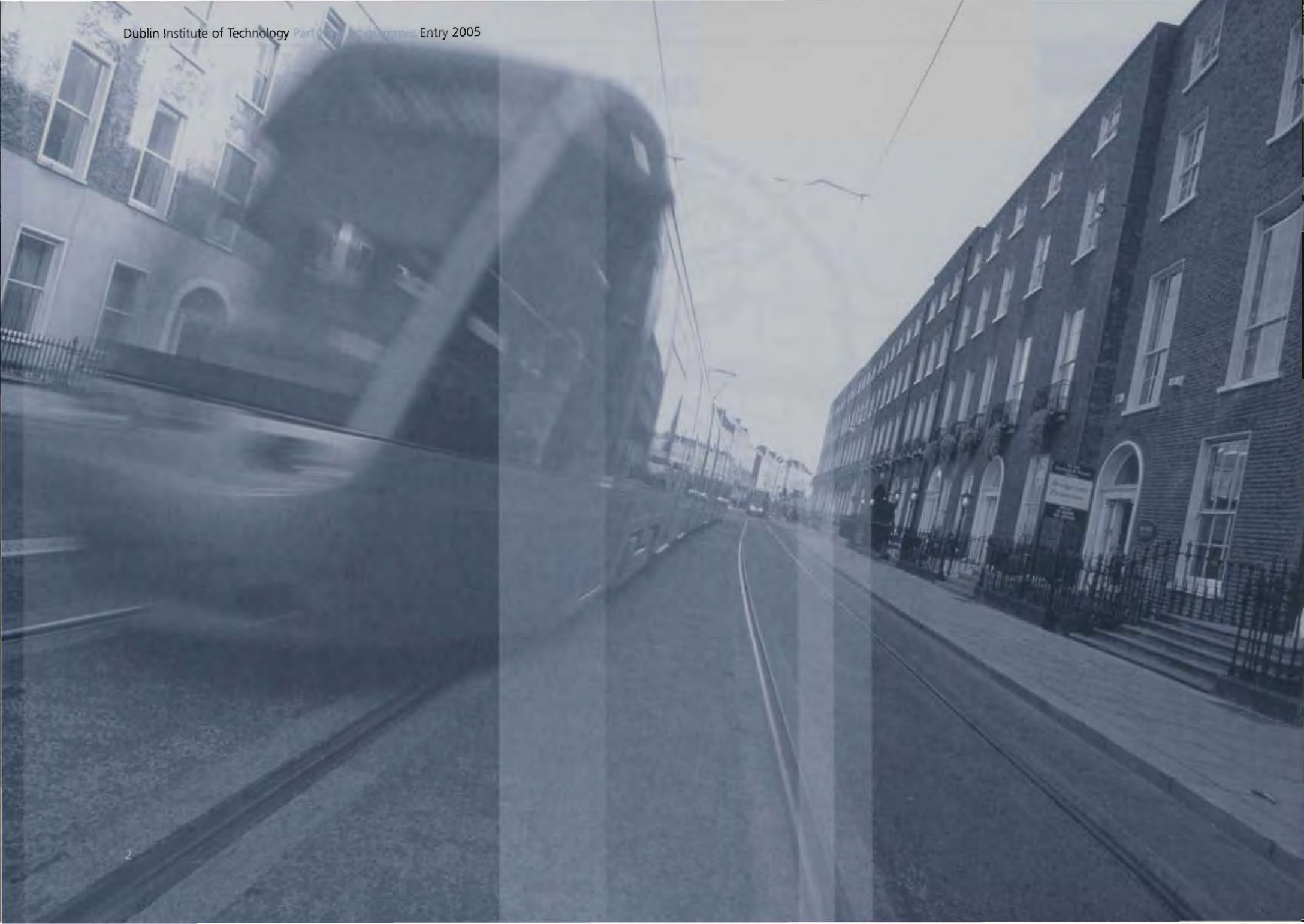

Welcome

Dublin Institute of Technology has a long-established commitment to lifelong learning, part-time programmes and continuing professional development. Since 1887 hundreds of thousands of people have benefited from programmes at DIT and today we are the largest provider of part-time higher education in Ireland.

The rapid pace of change in technology and in the economy means we all need to keep abreast of new developments and prepare for new career challenges. DIT aims to provide learning opportunities at every stage of life, and part-time study can offer those in work or with family responsibilities a chance to enhance qualifications or develop new skills.

Many of the programmes we offer have been developed in response to the needs of learners or business, and where there is demand for new programmes, we are anxious to respond as comprehensively as possible within the resources available to us.

In addition to our scheduled programmes, we also welcome enquiries from employers, professional bodies and other groups and will be pleased to work with you to devise in-house short programmes appropriate to your specific Continuing Professional Development needs.

This year our Directory provides details of over 250 programmes which will be offered at easily accessible locations in the heart of Dublin - I hope that you will find something that matches your needs. Should you choose to enrol with us in the coming year we would be delighted to welcome you - I am confident that you will enjoy and benefit from your time in the Dublin Institute of Technology!

Professor Brian Norton
President

Frequently Asked Questions

If you have questions specific to a programme it would be best to contact the School which offers the programme directly, or check the DIT website for further information: www.dit.ie. Information about Lifelong Learning at DIT is available on this website: www.dit.ie/lifelong.

1) Do I need a Leaving Cert or any specific qualifications to apply for a part-time programme?

Each part-time programme has specific entry requirements which are listed in this prospectus. Some entry requirements are related to educational qualifications, others are related to relevant work experience. In some cases it will say 'or equivalent'. This means that you should explain how your educational or work experience has provided you with sufficient relevant background to be successful in the programme. It is also important to consider the nature of the programme and your ability to use mathematics, writing, and other academic skills. If you have questions about the level of specific academic skills required for your programme, please call the contact number for that programme.

2) I want to be certain that I am applying for the right programme. How can I find out more information about programmes I might be interested in? Who should I talk to?

In the prospectus there is contact information for each programme. You may also contact the office number of the School or Department offering the programme (see listing of DIT contact phone numbers). It is best to talk directly with someone who teaches on the programme if you require further information. In addition, detailed programme information is available on the DIT website: www.dit.ie.

3) How do I apply to DIT? What are the deadlines for application?

Part-time students apply directly to DIT by using the form in the back of this prospectus, or on the DIT website http://www.dit.ie/DIT/admissions/index.html. Completed application forms should be sent directly to the Faculty where the programme is offered. Addresses for each DIT location are included in this prospectus. Application deadlines are published in the part-time prospectus each year, so it is important to check the date for your programme because application deadlines vary.

4) What are the fees for programmes? When and how do I pay?

Fees for each part-time programme are listed in this prospectus. Do not send money with the application form. All payments must be made by credit card, laser card or cheque at the time of enrolment. The Finance Act 1996 introduced tax relief for fees paid in respect of approved part-time third-level programmes. The applicable conditions are set out in a booklet published by the Department of Education and Science, 'Financial Support for Further or Higher Education'. A list of approved programmes may be obtained from the Revenue Commissioners.

5) Is there a fee discount for DIT Graduate Network?

Yes – DIT graduates who join the Graduate Network are entitled to a 25% discount on some part-time programme fees (excluding all postgraduate programmes and research Degrees). A valid membership card must be presented at the time of registration in order to qualify for this discount. To apply for membership of the Network, contact the Graduate Network office on 402-7143 or email: graduate.network@dit.ie.

6) What happens after I submit an application?

For applicants to part-time programmes, the School to which you are applying will contact you directly to let you know if your application has been successful. In some cases you may be invited for an interview. Details regarding registration for the part-time programme will be sent to you prior to the September start of programmes.

7) What if I have already completed a qualification at another third level institution. Is it possible to start into year 2 of a programme? How do I find out?

Applicants who already possess third level qualifications may be eligible for admission to the 2nd or subsequent years of related programmes. Please attach transcripts of previous examination results to your application form or bring them with you when attending interview.

8) I have completed some programme work, but not a full qualification. Is there any way to receive an exemption for this rather than repeating what I have already done?

Decisions on programme exemptions are made by the programme team in the programme for which you are applying. It is best to contact the School or Department offering the programme to determine what you will need to do to request an exemption.

9) When do classes start and end? What is the calendar for the year? What are the holidays?

For detailed current calendar information, please visit the DIT website: www.dit.ie.

- Classes for part-time students usually begin the fourth week in September.
- Classes end in early May for programmes on a three-term system, and in late May for programmes using a two-semester system.
- Christmas holidays are normally three weeks starting the week of Christmas through the first two weeks in January.
- Easter holidays are normally two weeks, the week before and the week following Easter Sunday.

10) Where are classes held?

DIT has six main centres around Dublin City centre, and additional buildings which are usually near the seven centres. To determine where the classes meet for your programme, look for the 'location' listed in the programme description in the DIT Prospectus. Refer to the map page in the Prospectus to find the location of your programme.

11) How may I travel to DIT centres? If I drive, is parking available?

Because DIT is located in Dublin City centre, the centres are easy to reach by bus, tram or train. Details are included on the map page in this prospectus. There are no campus parking facilities available at this time. However there is parking on streets adjacent to most DIT centres, and there are also a number of public car parks in the vicinity.

12) What is the timetable for class meetings?

Each programme has a timetable for the various subjects taught on the programme. Part-time programmes generally meet in the evenings from one to four evenings per week. Information is provided for each programme in this prospectus. To find out the specific days and meeting times for your programme, contact the School directly.

13) How much time is required for studying outside of the class sessions?

It varies from programme to programme, depending on the type of programme. In many programmes it is a good idea to plan for two hours of outside work for each hour in class. During times when projects or assignments are due, the work outside of class would usually be heavier. The programme tutor will normally talk about the expectations for study time outside of class in the early part of the programme.

14) I've been out of school for a few years – how can I learn some study skills?

The Counselling Department offers a programme specifically for Mature Students called 'Unlocking Your Potential as a Mature Student'. This programme is available each autumn to DIT students, and focuses on study skills, time management, personal development, career development and other relevant topics to make the transition into higher education smoother

for mature students. For information on the next programme, please contact the Counselling Office (402 3443). In addition, plans are underway at DIT to offer an Access Programme for Mature students that would provide academic skills in advance of application to DIT. Study skills, tips and resources are also available online at www.dit.ie/lifelong.

15) What kind of exams can I expect?

Many programmes have written examinations at the end of the academic year in May (see the DIT calendar for exam dates). In addition, some programmes have continuous assessments including group work, reports, and project work. Information about exams and assessments is usually provided to students on the programme at the beginning of the academic year.

16) I will need some financial assistance in order to attend DIT. Where can I find funding?

Details of financial assistance are in the booklet published by the Department of Education and Science called Financial Support for Further and Higher Education, which is available on their website: http://www.irlgov.ie/ Tax relief may be available for fees of approved part-time programmes which have a minimum duration of two years. A list of approved programmes is available from the Revenue Commissioners. In addition, the Department of Social, Community and Family Affairs offers the Back to Education Allowance to qualified applicants (unemployed people and lone parents). This allowance is available for full-time and part-time students. After being accepted on a programme, contact the Department of Social, Community and Family Affairs for details about application (form EOS 1) for the Back to Education Allowance (01 874 8444).

17) I have a disability. Who should I talk to about my needs?

DIT is an equal opportunity institution and welcomes applications from students with disabilities. You should plan to contact the Disability Liaison Officer well in advance to outline any particular facility or support which you may need for your study at DIT. The Disability Liaison Officer may be reached at 402 7657.

18) Will I need a computer? Should I have a computer?

Some programmes require significant work using a computer, and others do not. Computer labs are available throughout DIT for use by students who need computers to complete programme work. Some programmes require highly specialised software which is only available in computer labs. Before making a decision to purchase your own computer, it would be best to attend the programme to find out how you will be using the computer in your programme. Computer skills are an advantage, but are not required for all programmes.

19) Is distance learning available through DIT?

Currently only a few highly specialised programmes are available through distance learning. However, DIT is planning to expand distance learning and online learning in the future. When these programmes become available they will be noted on the DIT website (www.dit.ie).

20) What is the difference between a 'Higher Certificate', 'Ordinary Degree', and 'Honours Degree'? What awards are offered by DIT?

This information appears in the DIT Assessment Regulations, First Edition, pages 90-94. The following awards are offered by DIT. Please refer to the DIT Prospectus to determine the type of award being offered for the programme you are considering.

Higher Certificate: A Higher Certificate programme is normally two years full-time duration (or an equivalent part-time duration). Such programmes are expected to have an applied orientation and include suitable relevant aspects of the technology and techniques appropriate to the discipline. The Higher Certificate is awarded for the attainment of a total of 120 ECTS Credits, 60 at Level 1 and 60 at Level 2.

Ordinary Degree: An Ordinary Degree programme is normally of either three years full-time or of one year full-time post-Higher Certificate duration (or equivalent part-time duration). An Ordinary Degree programme reaches a significantly higher level than a Higher Certificate programme, perhaps in a more specialised area of study, entailing a significant input of both theoretical knowledge and project work, especially at the final year stage. The Ordinary Degree is awarded for the attainment of a total of 180 ECTS Credits, 60 at Level 1, 60 at Level 2, and 60 at Level 3.

Honours Degree Awards:
A programme leading to a Bachelor or primary Honours Degree award is normally the academic outcome of a four-year full-time programme (or part-time equivalent). Honours Degree-level programmes have a significant conceptual orientation, with learning objectives that develop comprehension, analysis, synthesis, practical application of knowledge, and research methods.

- Bachelor Degree with Honours is awarded for the attainment of a total of 240 ECTS Credits, 60 at Level 1, 60 at Level 2, 60 at Level 3, and 60 at Level 4. This Degree is usually required for entry to Master's Degree programmes.
- Postgraduate Programmes and Awards: A taught Master's Degree level programme is normally of one or one and a half years' full-time study (or part-time equivalent) for holders of honours Bachelors Degrees. It requires the preparation of a dissertation on a project related to the taught content of the programme.
- Postgraduate Certificate is awarded for the attainment of a minimum of 30 ECTS credits at level 5.
- Postgraduate Diploma is awarded for the attainment of a minimum of 60 ECTS credits at level 5.
- Taught Masters Degree is awarded for the attainment of a minimum of 90 ECTS credits at level 5.

21) What is an 'ECTS' Credit? What is a 'level?'

'ECTS' stands for European Credit Transfer System. It is the common credit system in place at DIT and in other universities in Ireland and in Europe to assign credits to a programme or module. This information appears in the DIT Assessment Regulations, First Edition.

- Each level corresponds to the equivalent of a full academic year of study. Level 1 is the first academic year of third-level studies, Level 2 is second year, etc.
- Each ECTS credit corresponds to 20 'learning hours' (not all learning hours are hours spent in class sessions). A full academic year of study corresponds to 60 ECTS credits.

22) What services are available to part-time students?

The following services are provided for all students, but please check with your location to determine opening hours. For more details on any of these services, see the DIT website: www.dit.ie.

Library: Each DIT centre has its own comprehensive library facility and total collections are at present in excess of 10,000 items. All of the DIT libraries operate a book security system to protect their collections. Part-time students are provided with student cards to enable them to use the library to borrow books and to avail of inter-library loans. Library staff are always available and willing to help students find information. The DIT libraries have evening and Saturday opening hours. For details, please check the library website:
http://www.dit.ie/library

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

Computer Facilities: Computer facilities are available in each DIT centre. Some centres have computer labs open on evenings and Saturdays. Please check opening hours at each centre.

Food Services: Hot meals are usually served until 6:30 p.m., and snacks are usually available in the evenings from 7:00 - 9:00 p.m. in most centres.

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 8:00 p.m. each evening when evening classes are scheduled.

Counselling: The DIT Counselling Service is a confidential service staffed by a team of Counselling Psychologists with an office in each of the DIT Centres. The Counselling Service aims to help students to identify and solve any difficulties, large and 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, or study worries. 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 and training seminars in such areas as study skills, stress management, and communication skills. Students can make an appointment by telephoning the central office (402 3443) or by making direct local contact with the counsellor.

Chaplaincy: The chaplains form an integral part of life in the Institute. Their work is primarily one of pastoral care. The Chaplaincy is ecumenical and is directed to all who work in the Institute. One of the principal aims of the Chaplaincy is to encourage the integration of personal, social and spiritual development with academic effort and achievement. The chaplains are easily contacted at their rooms in each Centre. To make an appointment, you may call the central Chaplain's office at 402 3307.

Student Regulations

Applicants who obtain places and subsequently register are required to read and abide by the Student Regulations of the Institute. Copies of the Regulations are available from the Registrations Offices of the main DIT centres.

Fee Payment

Fees are detailed under each programme entry. Payment of fees can only be made by credit card, laser card or cheque at the time of enrolment.

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Conservatory of Music and Drama
School of Art, Design and Printing
School of Languages
School of Media
School of Social Sciences & Legal Studies

Faculty of the Built Environment – Page 29

School of Environmental Planning and Management
Dublin School of Architecture
School of Real Estate & Construction Economics
School of Construction

Faculty of Business – Page 47

School of Accounting and Finance
School of Management
School of Marketing
School of Retail & Services Management

Faculty of Engineering – Page 69

School of Civil & Building Services Engineering
School of Control Systems & Electrical Engineering
School of Electronic and Communications Engineering
School of Manufacturing Engineering
School of Mechanical and Transport Engineering

Faculty of Science – Page 117

School of Biological Sciences
School of Chemistry
School of Computer Science
School of Mathematical Sciences
School of Physics

Faculty of Tourism and Food – Page 131

School of Culinary Arts and Food Technology
School of Food Science and Environmental Health
School of Hospitality Management and Tourism
National Bakery School

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Key Contacts at DIT

Dublin Institute of Technology	402 3000	www.dit.ie
Accommodation Office	402 3353	accommodation@dit.ie
Admissions Office	402 3445	admissions@dit.ie
Careers Office	402 3441	www.choiceatdit.ie
Chaplains Office	402 3307	melvyn.mullins@dit.ie
Counselling Office	402 3352	susan.lindsay@dit.ie
Disability Liaison Office	402 7657	pat.hoey@dit.ie
Graduate Studies and Research Office	402 3434	postgraduate@dit.ie
International Affairs Office	402 3341	marie.kennedy@dit.ie
LEAP: Lifelong Educational Access Programme	402 7861	leap@dit.ie
Lifelong Learning	402 7890	lifelong.learning@dit.ie
Student Support Services Office	402 3353	deirdre.corcoran@dit.ie
Faculty of Applied Arts	402 3465	facultyarts@dit.ie
Conservatory of Music and Drama	402 3556	brid.grant@dit.ie
School of Art, Design and Printing	402 4139	john.oconnor@dit.ie
School of Languages	402 4609	helene.conway@dit.ie
School of Media	402 3098	brian.oneill@dit.ie
		sharon.cleary@dit.ie
School of Social Science and Legal Studies	402 3455	socialsciences@dit.ie
Faculty of the Built Environment	402 3711	caroline.odowd@dit.ie
Dublin School of Architecture	402 3690	aileen.mullane@dit.ie
School of Construction	402 4013	philip.murray@dit.ie
School of Environmental Planning & Management	402 3742	elaine.ryan@dit.ie
School of Real Estate and Construction Economics	402 3676	mary.mcloughlin@dit.ie
Faculty of Business	402 3023	niamh.ofarrell@dit.ie
School of Accounting and Finance	402 3097	jane.cullen@dit.ie
		mary.doyle@dit.ie
School of Management	402 3031	stephney.moore@dit.ie
School of Marketing	402 7031	paula.maguire@dit.ie
School of Retail and Services Management	402 7057	lisa.dooley@dit.ie
Faculty of Engineering	402 3649	anne.marie.kelly@dit.ie
School of Civil & Building Services Engineering	402 3635	una.cribbin@dit.ie
School of Control Systems & Electrical Engineering	402 4550	karen.flanagan@dit.ie
		lillian.nolan@dit.ie
School of Electronic & Communications Engineering	402 4704	cassilda.smith@dit.ie
School of Manufacturing Engineering	402 3626	maeve.coyne@dit.ie
School of Mechanical and Transport Engineering	402 3605	mechtransp@dit.ie
Faculty of Tourism and Food	402 4349	elaine.free@dit.ie
School of Hospitality Management & Tourism	402 4352	martina.mctigue@dit.ie
School of Culinary Arts & Food Technology	402 4344	aveen.murray@dit.ie
School of Food Science & Environmental Health	402 4355	susan.hawkins@dit.ie
		fseh@dit.ie
National Bakery School	402 4566	derek.obrien@dit.ie
Faculty of Science	402 4585	goretti.murphy@dit.ie
School of Biological Sciences	402 4562	ide.cussen@dit.ie
School of Chemistry	402 4572	emer.furlong@dit.ie
School of Computing	402 2840	denise.murray@dit.ie
School of Mathematical Sciences	402 4610	clare.kearney@dit.ie
		martina.dennis@dit.ie
School of Physics	402 4559	miriam.matthews@dit.ie

Dublin Institute of Technology Locations

DIT Aungier Street	– Aungier Street, Dublin 2
DIT Bolton Street	– Bolton Street, Dublin 1
DIT Cathal Brugha Street	– Cathal Brugha Street, Dublin 1
DIT Kevin Street	– Kevin Street, Dublin 8
DIT Mountjoy Square	– Mountjoy Square, Dublin 1
DIT Rathmines Road	– Rathmines Road, Dublin 6
DIT Central Office	– 30 Upper Pembroke Street, Dublin 2

How to Get There

Aungier Street
Nearest Train/DART: Tara Street
Nearest bus point: Aungier Street
Buses: 16, 16A, 19, 19A, 22, 22A, 83, 155
Nearest LUAS: St. Stephen's Green

Bolton Street
Nearest Train/DART: Connolly or Tara Street
Nearest bus point: Parnell Sq. and Upper Dorset St.
Buses: 3, 11, 11A, 13, 16, 16A, 22, 22A, 36, 36A
Nearest LUAS: Jervis

Cathal Brugha Street
Nearest Train/DART: Connolly or Tara Street
Nearest bus point: O'Connell Street
Buses: any bus to O'Connell Street
Nearest LUAS: Abbey Street, Connolly

Kevin Street
Nearest train/DART: Pearse
Nearest bus point: Aungier Street, Kevin Street
Buses: 16, 16A, 19, 19A, 22, 22A, 83, 155, 77A, 77,150.
Nearest LUAS: St. Stephen's Green

Mountjoy Square
Nearest train/DART: Connolly
Nearest bus point: Gardiner Street
Buses: 3, 11, 16, 33, 40, 40A, 41, 41A, 41B, 41C, 60
Nearest LUAS: Abbey Street, Connolly

Rathmines Road
Nearest train/DART: Grand Canal Dock
Nearest bus point: Rathmines Road
Buses: 14, 14A, 15, 15A, 15B, 47, 47A, 47B, 83
Nearest LUAS: Ranelagh, Charlemont.

FACULTY OF APPLIED ARTS

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Music Tuition (Vocal, Instrumental and Musicianship)	A001	26
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A329 MA in Digital Media Technologies

Description
The MA in Digital Media Technologies provides a thorough grounding in the core skills and knowledge of digital media technologies and offers specialist production techniques dedicated to the specific needs of the digital media industry. The programme is designed to advance students' employment potential and addresses the specific needs of employment in digital media. It is also suitable as a foundation for pursuing a career in digital media research. The programme is supported by the HEA Information Technology Investment Fund 2001-6.

Who should apply?
The programme is aimed at those with a career interest in the emerging digital media content industry. It is suited to graduates of diverse disciplines including media, art and design, and computer science. The programme is also suited to educators, engineers and design practitioners who have a requirement for digital media production techniques.

While basic computer literacy is a prerequisite for the programme and some previous experience of digital media production is desirable, an introductory elective module is available for those who require initial training in digital media applications.

Content
Digital Media Authoring
Design Principles
Technology for Digital Media
Project Management
Digital Audio Tools
Digital Screen Tools
Dynamic Web Applications
Major Project

Entry Requirements
Entry is open to holders of an honours degree (2.2 grade or higher) or equivalent in relevant disciplines.

Award
MA in Digital Media Technologies of Dublin Institute of Technology.

Programme Fee (see page 8)
€2000

Duration
Two years, part-time.

Location
Digital Media Centre, DIT Aungier Street.

Further information
Dr. Brian O'Neill,
School of Media
DIT Aungier Street
Dublin 2
t 353 1 402 3034
e brian.oneill@dit.ie or media@dit.ie

Application forms are available from the Office of Graduate Studies, Dublin Institute of Technology,
http://www.dit.ie/DIT/study/graduate/index.html

DT537 Drama in Education – Introduction

Description
This is a one year evening programme in drama in education. Successful completion will lead to a certificate of attendance of Dublin Institute of Technology. **This programme will run subject to demand.**

Content
The programme offers a unique opportunity for people to gain new insights and new skills in the areas of personal development and group relationships. Experience in the field of drama brings people in touch with play, improvisation, group interaction, role play and creative problem solving. While the Drama in Education programme will consist mainly of practical and experiential work, there will also be an important theoretical aspect included.

Duration
One year.
Tuesday evenings, 5.30 - 7.30 pm.

Entry Requirements
The programme is intended primarily for social care workers, youth and community workers and for those who work in the caring professions generally.

Programme Fee (See page 8)
€518.

How to Apply/Enrol
Application forms can be obtained by sending a stamped self-addressed envelope (22cm x 11cm) to the address given below. Completed application forms should be submitted to the School Secretary by 2nd September 2005. The number of places on the programme is limited. Enrolment will take place on the first night of class. Programme commences Tuesday 20th September 2005.

Award
Certificate of Attendance of Dublin Institute of Technology.

Career Opportunities
This programme will extend the skills of students in the area of creative drama in education and its application.

Further Information
The School Secretary
Department of Social Sciences
Dublin Institute of Technology
Mountjoy Square
Dublin 1.
t +353 1 402 4164
f +353 1 402 4263
e socialsciences@dit.ie
w www.dit.ie

Location
DIT Mountjoy Square.

DT537 Drama in Education - Intermediate

Description
This one year evening programme is a continuation of the Level 1 programme. Successful completion of the programme will lead to a certificate of Continuing Professional Development of Dublin Institute of Technology.
This programme will run subject to demand.

Content
The aims of this programme are to enable participants to:
- Meet together to share drama 'successes' and 'failures' at work.
- Re-experience drama for themselves.
- Gain more insight into the value and application of drama in their work.
- Acquire new skills.
- Introduce the basics of drama therapy.
- In addition to this, participants will be taught to use the skills they have developed to facilitate various groups.

Duration
One year, 2 hours per week (one evening).

Entry Requirements
This programme is open to students who passed the Level 1 programme in Drama in Education.

Programme Fee (See page 8)
€518.

Examinations
This programme is assessed by continuous assessment.

How to Apply/Enrol
An application form is included with this publication. Completed application forms must be returned to the School of Social Sciences, before Friday 2nd September 2005. The number of places available is limited. Enrolment will take place on the first night of class.

Award
Certificate of Continuing Professional Development of Dublin Institute of Technology.

Career Opportunities
This programme will extend the skills of students in the area of creative drama in education and its application.

Further Information
The School Secretary
Department of Social Sciences
Dublin Institute of Technology
Mountjoy Square, Dublin 1.
t +353 1 402 4164
f +353 1 402 4263
e socialsciences@dit.ie
w www.dit.ie

Location
DIT Mountjoy Square.

DT534 BA (Ord.) in Legal Studies (Subject to validation)

Description
The BA (Ord.) is an advanced entry ordinary degree in law. This programme aims to provide students with an academic foundation in the core subjects of Irish, European Union and international law. This programme replaces the former Diploma in Legal Studies (A316) offered by the Dublin Institute of Technology.

Content
Students select six modules, up to a maximum of three in any one year, from the following list. Students must select at least **four** of the following core modules:

Company Law	Equity
Constitutional Law	European Union Law
Contract Law	Property Law
Criminal Law	Tort Law

Students may also select **up to two** of the following optional modules:

Employment Law
European Human Rights Law
Family Law
Immigration Law
International Trade Regulation

Students are welcome to attend classes in as many subjects as they wish, but will be required to sit examinations in six subjects. DIT reserves the right not to offer particular subjects in particular years.

Entry requirements
Admission to the programme ordinarily requires:
- A Degree in any discipline (NQAI level 7 or higher) OR
- A Certificate in Legal Studies (NQAI level 6 or higher) OR
- At least three years' relevant legal work experience.

An interview and/or references may be required.

Duration
A minimum of two years, 2/3 nights per week, though students may choose to take longer to complete the degree. As an alternative, students may attend lectures in selected subjects up to three mornings per week. Lectures are supplemented by small group, problem-solving tutorial workshops, offered on Saturday mornings. The programme extends over the academic year from September to May.

How to Apply/Enrol
Applicants should obtain an application form from the Registrations Office, DIT Aungier Street, Dublin 2 (+353 1 402 7072) or from the Department of Legal Studies (+353 1 402 7181). This form should be completed and returned to the Department of Legal Studies before 19th August 2005. Applicants should then attend enrolment at DIT Aungier Street on Tuesday 13th September from 6pm to 8p.m. (year two on Thursday 15th September from 6pm to 8pm). Late applications will be considered should vacancies remain.

Programme Fee (See page 8)
€1,100 per year (this fee is subject to increase in respect of the years 2006-7 forward).

Examinations
Examinations are held annually in May/June. Some lecturers may assign project work as part of their assessment.

Award
Bachelor of Arts (Ordinary) in Legal Studies of Dublin Institute of Technology

Career Opportunities
This programme should appeal to those in a wide range of areas of employment in which law plays an important role. Examples include civil and public servants, insurance executives, law enforcement officials, teachers, human resource managers, and persons employed in business. Students may find the programme useful in progressing onto a career in law as a solicitor, after passing the Final Examination – First Part of the Law Society of Ireland. Questions about admission to the Law Society of Ireland should be directed to: Law Society of Ireland, Blackhall Place, Dublin 7, www.lawsociety.ie. Graduates may also be interested in proceeding onto the BSc in Business and Legal Studies offered by DIT, for which they may be entitled to exemptions for certain law subjects.

Further Information
The School Secretary
t +353 1 402 7181
f +353 1 402 7184
or
Dr. Fergus Ryan, Head (Acting), Department of Legal Studies
e law@dit.ie

Location
DIT Aungier Street.

DT536 Continuing Professional Development – Short Law Programmes

Description
The Department of Legal Studies offers a number of short continuing professional development programmes in various legal subjects. Students may opt to take one or more programmes from the short programmes listed below. These short programmes will appeal to a variety of students. For example, the programmes should appeal to students who have an interest in law but who do not wish to pursue a formal qualification. These programmes should also appeal to students considering studying law and who would like to sample some of the subjects offered on the DIT BA (Ord.) in Legal Studies. Managers and senior executives from industry/service sector/smes whose role requires them to have knowledge of a particular legal area might also have an interest in one or more of the programmes outlined below.

Content
The following are offered as short programmes: Introduction to Contract Law, Introduction to Property Law, Introduction to Tort, Introduction to European Union Law, Introduction to Equity Law, Introduction to Criminal Law, Introduction to Constitutional Law, Introduction to Company Law, Introduction to Family Law, Introduction to Employment Law and Introduction to Immigration Law. (Not all subjects are available every year and additional subjects may become available). Students may opt to undertake one or more short programmes from the above list.

Entry Requirements
There are no formal educational requirements.

Duration
Each programme meets one night or morning a week. The programmes extend over the academic year, from late September until April.

How to Apply/Enrol
Enrolment will be on a walk-in basis, and will take place on Thursday, 1st September 2005 from 6pm to 7.30pm at DIT, Aungier Street, Dublin 2.

Programme Fee (See page 8)
€345 per subject.

Assessment:
Assessment is by way of a written essay or other method selected by the tutor.
80% attendance is also required

Award
Certificate of Continuing Professional Development of Dublin Institute of Technology.

Career Opportunities
Students from a variety of employments e.g. public/private sector legal employment, managers and senior executives from industry/smes will find these short programmes of relevance in carrying out their role. Some students may wish to progress to either the DIT BA (Ord.) in Legal Studies or BSc in Business and Legal Studies, subject to meeting the entry requirements for these programmes.

Further Information
The School Secretary
t +353 1 402 7181
f +353 1 402 7184
or
Dr. Fergus Ryan
Head, Department of Legal Studies
e law@dit.ie

Location
DIT Aungier Street.

DT535 Foundations in Law - Civil and/or Criminal Law Litigation

Description
These two programmes have been designed with the assistance of private and public sector legal employers. The programmes are suitable for persons who need a basic understanding of law but who have no legal background to date. The programmes will also appeal to students who have not undertaken third level study before or who have been out of third level education for some time. Students may undertake one or both of the following programmes:
Foundations in Law – Criminal Law Litigation
Foundations in Law – Civil
The programmes have been designed to provide students with knowledge of both the academic and practical aspects of the areas of law covered.

Content
The Foundations in Law – Criminal Law Litigation comprises modules in Criminal Law and Procedure Law. The Foundations in Law – Civil comprises a number of modules including Civil Liability, Civil Procedure, Land Law, Conveyancing, Commercial Law or Judicial Review, and Probate or Planning Law.

Entry Requirements
There are no formal educational requirements specified for students entering the programme/s.

Duration
Each of the Foundations in Law programmes requires attendance at lectures for 3 hours one evening a week over one academic year. Students may undertake both programmes requiring attendance at lectures two evenings per week over one academic year. The programme extends over the academic year from September to April.

How to Apply/Enrol
An application form is available from the Registration Office, DIT, Aungier Street, Dublin 2 (+353 1 402 7072). This form should be completed and returned to the Department of Legal Studies by Friday 19th August 2005. All applicants should then present themselves at DIT Aungier Street, Dublin 2 on Thursday 1st September 2005 at 6pm - 8pm to complete enrolment. Late applications will be considered should vacancies arise.

Programme Fee (See page 8)
€612 for each Foundation programme.

Assessment
Students will have to meet attendance requirements and undertake course work (e.g. maintain a portfolio) as required by the Department of Legal Studies.

Award
On successful completion students receive a **Continuing Professional Development Certificate** of Dublin Institute of Technology.

Career Opportunities
Both of these programmes should appeal to those in a wide range of employment where a knowledge of law is required. The programmes will be of particular interest to support staff employed in legal offices in either the public or private sector. Students may wish to progress onto the BA (Ord.) in Legal Studies or the BSc in Business & Legal Studies, subject to meeting the entry requirements for these programmes.

Further Information
The Secretary,
DIT, Aungier Street,
Dublin 2.
t +353 1 402 7181
f +353 1 402 7184
or
Dr Fergus Ryan
Head, Department of Legal Studies
e law@dit.ie

Location
DIT Aungier Street.

DT370 Business and Legal Studies - BSc Honours

Description
The overall aim of the programme is through a process of education to develop a high level of intellectual awareness and technical competence in Business and Legal Studies. It is expected that graduates of the programme will be able to take their places in management positions in business, commerce, and the public sector and demonstrate a high level of competence. With further management experience, they will be capable of reaching the most senior management positions.

For those wishing to pursue a career in law the programme has specific aims. It aims to develop the students' knowledge and understanding in some elements of the law, to develop a range of key management skills and to extend and integrate the total programme to a level expected of competent business professionals.

Content.

Stage 1
Information and Communication Studies
Management
Economics
Mathematics and Statistics
Financial Analysis
The Law of Contracts
Introduction to the legal systems of Ireland and the European Union

Stage 2
Behavioural Science
Organisation Behaviour
Marketing
Business Finance
Law of Torts
European Union Law
Company & Commercial Law

Stage 3
Core
Employment Law
The Law of Property and Trusts for Management
Economics of Strategy
Business Research Methods
Managerial Accounting

Optional (two modules from the following)
Administrative Law
Insurance Law
Human Resource Management
Organisational Change
Project Management

Stage 4
Core
Strategic Management
Civil Procedure, Arbitration & Alternative Dispute Resolution.
Group Research Project
Information Technology and the Law

Optional (two modules from the following)
Accounting for Control and Decision Making
Corporate Finance
Law and Economics of Competition
Environmental & Planning Law
International Trade Regulation
Corporate Governance & Business Ethics

Entry requirements
Applicants should have a Leaving Certificate with passes in not less than six subjects, two of which should be at Grade C3 or better on higher level papers. Mature students with a satisfactory level of education and relevant business experience are welcome to apply. Applicants may be interviewed before admission.

Nature, Duration and Structure of the Programme
The programme is designed on a modular, semesterised basis and is structured into four stages. While completion of the programme is not time constrained i.e. it does not have to be completed within a set time period, it is anticipated a student could complete each stage of the programme within one year. This will require attendance at lectures on at least three evenings per week throughout the programme. However, given DIT's commitment to Life Long Learning and to flexibility in supporting part-time students, it is anticipated that students will progress through the programme at differing paces, depending upon their personal circumstances which likely dictate the time available to commit to their studies.

How to apply/enrol.
An application form is attached at the back of this directory. Completed application forms should be returned not later than Monday 15th August 2005 to the School Secretary, School of Accounting and Finance, DIT, Aungier Street, Dublin 2. Enrolment will take place in DIT Aungier Street on Tuesday 6th September 2005 from 6-8 pm. Late applicants may be considered should vacancies still remain in September.

Programme Fee
€1452

Examinations
Examinations are held at the end of each semester.

Exemptions
Holders of approved third level or professional qualifications may be granted exemptions on a subject for subject basis in Stages one and two and exceptionally in Stage 3.

Award

BSc (Business and Legal Studies).

The degree will be awarded by the Dublin Institute of Technology under the degree awarding powers made available to the Institute by the provisions of the Dublin Institute of Technology (DIT) Act, 1996, with classifications as specified for Honours degrees in the DIT Regulations:

Honours	First Class
	Second Class, Upper Division
	Second Class, Lower Division
Pass:	Pass

Career Opportunities

The programme is designed to enhance the opportunities for advancement in their management careers for graduates in industry, the service economy, banking and financial services, the public sector and trade unions. The programme provides an excellent conceptual and analytical training for those seeking senior management roles in their organisation.

Further information

The School Secretary
t 353 1 402 3097

Location

DIT, Aungier Street

A354 MA in Media Studies

Description
The MA in Media Studies provides an introduction to the theoretical study of media and provides a critical guide to key debates in contemporary media and cultural analysis. The programme offers graduates a foundation in multi-disciplinary approaches to the study of media and examines the texts and audiences of today's media as well as the environment in which they are located. The programme includes consideration of media in Ireland, digital media and globalisation, media pedagogy and professional media cultures. Students have the opportunity within modules to specialise in areas of particular interest and develop case studies and individual research projects relevant to their professional concerns. The programme incorporates a strong research emphasis and training is provided in the main methods of media research. In year 2 students prepare a 20,000 word dissertation on an approved topic related to path of study.

Content
Year 1: Introduction to Media Analysis
Media and Cultural Industries
Media Narratives: Facts & Fictions
Culture and Identities
Media in Ireland
Researching Media

Year 2: Lumiere to Lucas
Globalisation and Digital Media
Critical Perspectives in Media & Popular Culture
Media and Pedagogy
Professional Media Cultures
Dissertation

Entry Requirements
Entry is open to holders of an honours degree (2.2 grade or higher) or equivalent in relevant disciplines.

Duration
Two years, part-time.

How to Apply/Enrol
Contact the Office of Graduate Studies and Research for application details and forms.

Award
MA in Media Studies of Dublin Institute of Technology.

Programme Fee (See page 8)
€2000.

Career Opportunities
The programme is designed for anyone with a general interest in the field of media and communications wishing to pursue academic research in the area. It is particularly suited to the following:
teachers and educationalists interested in consolidating and developing their knowledge of media studies; media professionals and cultural workers who would like to develop a critical overview of media industries and professional practice; humanities, social science and communications graduates interested in pursuing further postgraduate research in the area of media.

Further Information
Dr Brian O'Neill,
School of Media, DIT, Aungier Street, D2
t +353 1 402 3098
f +353 1 402 3178
e media@dit.ie
w www.dit.ie/aa/postgraduate/a354.html

Location
DIT Aungier Street.

DT538 Online Translation Programme

Description
An online programme in translation techniques and practice for graduates. Applicants **must** have access to the Internet.

Content
Theory of translation and practice in translation into and out of the foreign language.

Entry Requirements
Either a university degree in the relevant foreign language (French, German, Spanish, Italian or English) or a recognised equivalent qualification.

Duration
One academic year. Total student commitment is approximately 4 hours per week.

How to Apply/Enrol
Application forms may be obtained from:
School of Languages,
DIT Kevin Street,
Dublin 8, Ireland
t +353 1 402 4673/402 2843
f +353 1 402 4987
e languages@dit.ie
w http://www.dit.ie

Programme Fee (See page 8)
€520.

Examinations
Students sit a DIT in-house examination (computer-based) at the end of the session.
By its format, this programme also prepares students for the examinations of the Institute of Linguists Education Trust. Graduates of this programme may therefore apply externally to the IoL to sit the Diploma in Translation examinations.

Award
Short Programme Award of Dublin Institute of Technology.

Career Opportunities
Successful candidates may find full-time or part-time employment as professional translators.

Further Information
School of Languages
t +353 1 402 4673/2843
f +353 1 402 4987
e languages@dit.ie
w www.dit.ie

Location
As the programme is delivered online, students may participate in it wherever they have access to the Internet.

A001 Vocal, Instrumental and Musicianship Tuition

Description

The Conservatory of Music and Drama at DIT offers individual and/or class tuition in vocal, instrumental, and musicianship studies. Music students attend a weekly individual lesson, a musicianship class at the appropriate level and study for internal grade examinations (Initial to Diploma levels). Orchestral/Vocal students are required to attend an ensemble class (orchestra, band, choir, junior chamber music as appropriate) and perform at Conservatory concerts. Entry is by audition/interview. Applications are sought from talented instrumentalists and vocalists. Scholarships, on the basis of talent and/or financial need are available for piano, strings, wind, brass, and voice. They cover tuition fees for one year.

Content

Individual Instrumental/Vocal Tuition

Piano, Organ, Classical Accordion, Harpsichord, Church Organ, Violin, Viola, Violoncello, Double Bass, Flute, Oboe, Clarinet, Bassoon, Trumpet, French Horn, Trombone, Tuba, Percussion, Irish Harp, Concert Harp, Classical Guitar, Recorder, Euphonium, Saxophone, Jazz Trumpet, Jazz Trombone, Singing, Repetiteur, External Diploma.

Class Tuition

Piano (Beginners), Violin (Beginners), Recorders (7-11yrs), Kids Klub (3-5 yrs), Music Workshop (5-7 yrs), Musical Theatre for Teenagers, Jazz Improvisation, Junior Musicianship, Adult Musicianship, Junior Certificate, Leaving Certificate (2 year option or 1 year repeat option).

Programme Fee (See page 9)

Individual Vocal, Instrument, Drama & Music Tuition 30mins		€440
Individual Vocal, Instrument, Drama & Music Tuition	45mins	€660
Individual Vocal, Instrument, Drama & Music Tuition	60mins	€840
Group Vocal, Instrument, Drama & Music Tuition	30mins	€150
Group Vocal, Instrument, Drama & Music Tuition	45mins	€225
Group Vocal, Instrument, Drama & Music Tuition	60mins	€300
Theory Classes (initial to grade 5)		€40
Theory Classes (grade 6 to grade 8)		€60
Theory Classes for students doing Musicianship only (i.e. Junior & Leaving Cert, etc.)		€440
Kids Music Group Class		€340
Music Workshop		€340
Music Theatre for Teenagers		€450

Further Information

The Administration Office
Dublin Institute of Technology
Faculty of Applied Art
Conservatory of Music and Drama
Rathmines Road, Dublin 6
t +353 1 402 3513/3468
f +353 1 402 3512
e conservatory@dit.ie
w www.dit.ie

Location

DIT Rathmines Road.

K252 Postgraduate Diploma for teachers of Spanish/Italian

Description
This is a one-year evening programme for secondary teachers who wish to acquire the necessary language skills to introduce/teach Spanish or Italian in their school. The programme was designed as part of the new modern language initiative of the DES, designed to introduce greater diversity in language.

Duration
Two academic years on the basis of one evening per week and ten Saturdays throughout the year. Teachers are required to attend a course in the country of the target language.

Content
The language and culture of the target language countries. The methodology of teaching Spanish or Italian. Analysis of the secondary Spanish and Italian curricula.

Entry requirements
The programme is open to teachers in secondary schools who wish to introduce Spanish or Italian in their school and who need to brush up their language skills or build on basic ones. The level required is equivalent to a pass Leaving Certificate.

Programme Fee
€700 per academic year

Examinations/Assessment
The programme is examined by continuous assessment, examinations and projects.

Award
Postgraduate Diploma for teachers of Spanish/Italian, awarded by DIT.
Please apply before or during the first week in September.

How to Apply/Enrol
Application forms may be obtained from
School of Languages
DIT Kevin Street
Dublin 8

Further Information
School of Languages
DIT Kevin Street
Dublin 8
t +353 1 402 4673/402 2843
f +353 1 402 4987
e languages@dit.ie
w www.dit.ie

Location
DIT Kevin Street

FACULTY OF THE BUILT ENVIRONMENT

Programme	Code	Page
Building Technology	DT148	44
Construction Economics & Management - BSc (Hons)	DT155	30
Construction Technology - Higher Certificate	DT133	31
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Co-ordinate Reference Systems for Spatial Information	DT156	33
Decorative Plasterwork	DT140	43
Design Studies - Higher Certificate	DT132	34
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Geographical Information Systems (GIS)	DT157	36
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Planning and Development - MSc	B707	37
Plumbing/Mechanical Services - Advanced	DT151	38
Property Studies - BSc (Hons)	DT159	39
Refrigeration & Air Conditioning - Advanced	DT154	35
Signwork - Advanced (parts 1 and 2)	DT142	43
Site Management	DT149	40
Spatial Planning - MSc	B714	41
Woodcutting Machining	DT146	43
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DT155 Construction Economics and Management Degree

Description
To educate the student for a career as a professional quantity surveyor or in related areas in the construction industry.

Content
Year 1
Construction Studies 1, Construction Economics 1, Professional Development/Integrated Project, Quantitative Methods 1/Information Technology, Construction Law 1.

Year 2
Quantity Studies 1, Financial Management 1, Construction Studies 2, Construction Management, Quantitative Methods 2.

Year 3
Construction Law 2, Quantity Surveying Studies 2, Financial Management 2, Construction Economics 2.

Year 4
Tender Documentation 1, Construction Studies 3, Construction Law 3, Construction Administration and Management 1.

Year 5
Construction Economics 3, Cost and Value Management 1, Financial Management 3, Development Project.

Year 6
Tender Documentation 2, Construction Economics 4, Cost and Value Management 2, Construction Administration and Management 2, Thesis/student-organised seminars.

Entry Requirements
a) Irish Leaving Certificate with passes in six subjects, including Mathematics and either Irish or English. At least two of the subjects must be at Grade C3 or better on higher level papers or equivalent qualifications. Holders of the Construction Technology Diploma (distinction or merit) or a suitable NCEA/HETAC Diploma (distinction or merit) may apply for entry to the fourth or fifth year of the programme depending on the Diploma and its grade.
b) Appropriate employment with a professional Q.S. or in a relevant area in the construction industry.

Duration
Six years part-time – one full day and two evenings per week.

How to Apply/Enrol
Postal applications taken on enclosed form for those intending to pursue a career as a professional Q.S. or in a related area in the construction industry. Qualified applicants may be called for interview.

Programme Fee (See page 8)
€1,650 per year including examination fees.

Examinations
One to two written papers per subject plus continuous assessment.

Award
BSc (Surveying) with honours classification, of Dublin Institute of Technology.

Career Opportunities
Opportunities for employment as a professional Q.S. or as a contractor's Q.S. or in other managerial positions within the construction industry.

Further Information
Mr. Bernard Skelton
Department of Construction Economics
t +353 1 402 3677
e bernard.skelton@dit.ie

Location
DIT Bolton Street.

DT133 Construction Technology

Description
This is a three-year part-time programme leading to the award of a Higher Certificate in Construction Technology. It is designed to meet the needs of the construction industry for technical staff who have a sound understanding of the principles of construction technology and management, together with a good appreciation of general management skills and of the economics of the industry.

Content
First Year Modules
Construction Technology 1A (Low-rise buildings), Construction Technology 1B (Graphics and Communication), Building Materials and Environmental Science, Construction Mathematics, General Computing Applications, Self Development and Learning Skills.
Second Year Modules
Construction Technology 2A (Maintenance and Conservation), Construction Management I, Quantity Surveying I, Financial Management, CAD, Land Surveying.
Third Year Modules
Construction Technology 2B (Building Structures), Site Surveying & Dimensional Control, Measurement Estimating & Tendering, Construction Management 2, Construction Safety Management 1, Economics for Construction Managers.

Duration
Three years part-time.

Entry Requirements
Academic requirements
The following academic requirements do not apply to mature students (i.e. Irish and other EU citizens who are 23 years of age on the 1st January in the proposed year of entry)

- Leaving Certificate with passes in five subjects including Mathematics and English or Irish or an equivalent qualification. One of these five subjects must be at C3 or above in a higher level paper or,
- National Craft Certificate in a construction trade (must be in possession of the National Craft Certificate at the time of application) or,
- Other equivalent qualifications (assessed on an individual basis).

Evidence of qualifications must be submitted with the application for admission to the programme.

Occupational Requirements
(Applies to all applicants)
Applicants must be in appropriate employment throughout the programme. Such employment is defined as any supervisory, administrative, or technical function in construction where the student has an input to, or provides support to, the management of construction. Such positions can include, site technician, foreman, junior QS, site clerk/administrator, draughtsman, estimator, buildings maintenance supervisor. Evidence of such employment must be submitted with programme applications in the form of a letter of support from the applicant's employer. The letter must also confirm that the student will be available to attend college lectures and assessments. This programme is not suitable for those currently employed in a non-skilled, semi-skilled or apprentice position or for anyone employed in a non-construction-related position.

Award
Higher Certificate in Construction Technology of Dublin Institute of Technology.
Holders of this qualification are deemed to have completed the academic requirements of Associate membership of the Chartered Institute of Building. Holders are also entitled to direct entry to the Diploma in Construction Technology (DT134). Please note that the DT134 programme will be replaced with a degree level programme from September 2006.

Career Opportunities
This award is particularly suitable for those who wish to attain technical positions relating to site management, contracts management, estimating and surveying in the construction industry. The majority of graduates work in building contracting or sub-contracting firms as Site Technicians, Estimators, Quantity Surveyors, Programmers, Planners, Contract Managers and Site Managers.

How to Apply/Enrol
Postal application on the enclosed form by 1st September 2005.

Programme Fee
€1,000 per year including examination fee.

Further Information
Mr. Louis Gunnigan
Head of Department
Department of Construction Management and Technology
School of Construction
t 01 402 3604
e louis.gunnigan@dit.ie

Further information is available on the DIT website at http://www.dit.ie/DIT/built/constructionmanagement/notices/DT133faq.html

Location
DIT Bolton Street.

DT134 Construction Technology (Ordinary Degree)

Please note that this programme is under review and may be subject to further change.

Programme Description
This is a one-year part-time post-certificate programme leading to a Level 7 Ordinary Degree in Construction Technology. It is designed to meet the needs of the construction industry for technical and managerial staff who have a sound understanding of the principles of construction technology and management, together with a good appreciation of general management skills and of the economics of the industry.

Programme Modules
Construction Technology – Commercial & Industrial Buildings 3A,
Construction Technology 3B - Building Structures,
Construction Technology 3C - Building Services,
Construction Management 3,
Contract Administration,
Quantity Surveying 2,
Legal Studies for Construction Managers,
Construction Finance,
Work-related Construction Project

Duration
One/two year(s) part-time.

How to Apply/Enrol
Postal application on the enclosed form. Qualified applicants may be called for interview.

Programme Fee (See page 8)
€1,000 including examination fee.

Entry Requirements
Certificate in Construction Technology of Dublin Institute of Technology or equivalent.
Evidence of qualifications must be submitted with the application for admission to the programme.

Occupational Requirements
Applicants must be in appropriate employment throughout the programme. Such employment is defined as any supervisory, administrative or technical function in construction where the student has an input to, or provides support to, the management of construction. Such positions include site technician, foreman, junior QS, site clerk/administrator, draughtsman, estimator, buildings maintenance supervisor, etc. Evidence of such employment must be submitted with programme application in the form of a letter of support from the applicant's employer. The letter must also confirm that the student will be available to attend college lectures and assessments. This programme is not suitable for those currently employed in a non-skilled, semi-skilled or apprentice position or for anyone employed in a non-construction-related position.

Award
Bachelor of Technology in Construction Technology, of Dublin Institute of Technology. (Ordinary Bachelor Degree)

Career Opportunities
This award is particularly suitable for those who wish to attain positions relating to site management, contracts management, estimating and surveying in the construction industry. The majority of graduates work in building contracting or sub-contracting firms as Estimators, Quantity Surveyors, Programmers, Planners, Contract Managers and Site Managers. Many have attained a high level in management where they are now executive directors or managing directors. Other graduates are working for consultants in various capacities.

Further Information
Mr. Louis Gunnigan
Head of Department
Department of Construction Management and Technology
School of Construction
DIT Bolton Street
Dublin 1
t 01 402 3604
e louis.gunnigan@dit.ie
w http://www.dit.ie/DIT/built/constructionmanagement/courses.html

Location
DIT Bolton Street.

DT156 Co-ordinate Reference Systems for Spatial Information

Description
Co-ordinate Reference Systems provide the reference within which spatial position may be described. Practitioners of the spatial information sciences are required to work within a variety of such reference systems. This programme aims to equip the participants with a thorough ability to understand and work with such reference systems and an appreciation of the transformations required relating them.
The programme will be followed by **Distance eLearning over the Internet.**

Programme content will be presented both on and off-line and will consist of a mixture of text and animated graphic illustrations. Interactive on-line tutorials with the programme tutors will be used to explore the subject matter in detail.

Content
Theme 1. Describing position with co-ordinates
The purpose of this theme is to convey an appreciation of the various co-ordinate reference systems that may be used to describe the position of a point. The emphasis is on understanding the concepts of each system. We are not, at this stage, concerned with the detail of their application to any particular spatial information problem.

Theme 2. Defining and realising co-ordinate reference systems
In the first part of this theme, we will look at the way that parameters of reference figures and co-ordinate reference systems are defined. In the second part of the theme, we will look at different types of frameworks, whether existing in space or on the ground. Finally, the theme will be completed by examining three methods by which the position of a point may be determined, namely global navigation satellite systems, land surveying, and airborne surveying.

Theme 3. Calculation in a co-ordinate reference system
The purpose of this theme is to develop means of calculating in two-dimensional co-ordinate reference systems, based on a thorough treatment of the fundamental trigonometric and geometric principles involved.

Theme 4. From local to global co-ordinate reference systems
The purpose of this theme is to look at co-ordinate reference systems in a national, international and global context. Spatial information can no longer be regarded as a resource for local use only. Global navigation, planning, development co-operation, emergency response, etc., all require timely and up-to-date spatial information to be available to those that require it. Without international and global reference systems, such spatial information would exist as data islands, and its use would require complex transformations to relate neighbouring systems.

Theme 5. Manipulating co-ordinates
In this theme, we will look at the conversion of position between co-ordinate reference systems incorporating the same datum, and transformations between co-ordinate reference systems incorporating different datums.

Entry Requirements
Irish Leaving Certificate or equivalent, together with reasonable ICT skills. Applicants must have access to an efficient Internet connection for the duration of the programme.

Duration
All participants will come together for a one-day workshop in the Department of Geomatics to meet other participants, hear background presentations on co-ordinate reference systems, familiarise themselves with the on-line learning system through hands-on exercises and receive all relevant programme material.

The programme will commence during the week following this workshop and will be delivered over a nine week period.

How to Apply/Enrol
Postal application only, on the enclosed form, by 1st September 2005

Programme Fee
€900

Award and Recognition
On successful completion of the programme participants will receive a DIT Continuing Professional Development (CPD) award together with five ECTS (European Credit Transfer System) credits.
The programme has been internationally reviewed and meets CPD criteria of both the Irish Institution of Surveyors (IIS) and the Society of Chartered Surveyors (SCS).

Further Information
Department of Geomatics, Faculty of the Built Environment, DIT Bolton Street
t +353 1 402 3742

Location
By Distance eLearning

DT132 Design Studies

Description
This is a part-time programme, dealing with design studies over a broad range of topics, and underpinned by a continuous module in Design Theory and History, which acts as a common link to the different disciplines being investigated. Its purpose is to provide the student with a broad understanding of design issues and design language. It will equip the student to select future career paths in one or more of the disciplines studied, or it will enhance design and other disciplines which may have already been undertaken by the student. It will also provide career development opportunities for those without a design background.

Content
Year 1: Term 1
- 2-Dimensional Technical Drawing and Geometric Studies
- History, Theory and Methods of Design 1
- Basic Design Skills
- Graphic Design

Year 1: Summer Term
- Critique and Dissertation.

Year 1: Term 2
- 2- and 3-Dimensional Technical Drawing
- History, Theory and Methods of Design 2
- Product Design
- Engineering Design

Year 2: Term 1
- 3 Dimensional Technical Drawing
- History, Theory and Methods of Design 3
- Transport Design
- Interior and Furniture Design

Year 2: Summer Term
- Critique and Dissertation
- Presentation of Certificates

Year 2: Term 2
- History, Theory and Methods of Design 4
- Architectural Design
- Environmental and Landscape Design
- Portfolio Preparation Methods

Duration
The programme is of two years duration commencing every second January. Two evenings per week (for 60 weeks) plus 20 half-days on Saturdays (every third Saturday).

Entry Requirements
A candidate must have a completed Leaving Certificate with passes in six subjects, one of the six subjects being English, or an equivalent qualification. These conditions may be waived for mature entrants.

How to Apply/Enrol
Next intake of students in January 2007.
Postal applications by end of November 2005.

Programme Fee (See page 8)
€880 per year including examination fee. (Fee for 2007 may be higher)

Examinations
Examination is by continuous assessment throughout the eight modules of the programme. The two years of the programme are viewed as a single entity; failure to complete an individual module does not prevent a student from taking the next module. However, to achieve a certificate, all modules must be completed to a pass level.

Award
Higher Certificate in Design Studies of Dublin Institute of Technology (ECTS credits = 60).

Career Opportunities
The programme is intended to encourage the participants' knowledge and interest in design. Upon successful completion of this programme opportunities could exist (with appropriate entry requirements) for progression into Degree design programmes. However, the Higher Certificate in Design Studies is not intended as a preparatory programme.

Further Information
The Secretary
Dublin School of Architecture
DIT, Bolton Street
Dublin 1.
t +353 1 402 3690

Location
DIT Bolton Street.

DT153 Domestic Oil Fired Programme

Description
This programme is designed to meet the needs of those pursuing a career at technician-level in the oil fired industry.

Content
Safety requirements, oil specifications, fuel efficiency, flues and ventilation, oil supply lines and storage, heat control valves and oil filters, burner types, burner controls, servicing and commissioning procedures.

Entry Requirements
Technicians or engineers employed in the oil fuel industry.

Duration
Ten weeks at one night per week or equivalent in the day.

How to Apply/Enrol
Students must attend for interview and complete the application form.

Programme Fee (See page 8)
€237

Award
Continuing Professional Development Certificate of Dublin Institute of Technology.

Career Opportunities
Numerous opportunities in heating/oil industry.

Further Information
Tom McCormick
Department of Construction Skills
t +353 1 402 3982

Location
DIT Bolton Street.

DT154 Advanced Level Refrigeration and Air Conditioning

Description
To give students an opportunity to appreciate the techniques involved in refrigeration and air conditioning.

Content
Commercial refrigeration, air conditioning, industrial refrigeration, electrical practice for refrigeration systems.

Entry Requirements
Department of Education and Science Senior Trade examination or National Craft Certificate in Refrigeration or equivalent.

Duration
One year, one evening per week –Wednesday.

How to Apply/Enrol
Students must attend for interview and complete the application form.

Programme Fee (See page 8)
€518

Examinations
Written paper for each subject.

Award
Continuing Professional Development Certificate of Dublin Institute of Technology.

Career Opportunities
Progress to supervisor or technician level.

Further Information
Jim French
Department of Construction Skills
t +353 1 402 4027

Location
DIT Bolton Street.

DT157 Geographical Information Systems

Description
The programme objective is to provide background theoretical knowledge to those who are working in this challenging discipline but may not have a formal qualification in GIS. On completion of the programme, it is envisaged that the student will understand the concepts and principles that underlie standard GIS operations; be familiar with methods of data capture together with their sources of error; have a working knowledge of database technology; appreciate the modelling and analysis possibilities offered by GIS and be aware of management issues concerning the use of GIS.

Content
The programme is divided into six modules as follows:

- **Module 1 Introduction to GIS**
  Overview of GIS; Components of a GIS; Historical development and evolution of GIS.

- **Module 2 Data Acquisition and Management**
  Sources of spatial and non-spatial data; geo–referencing systems, digitising, scanning, conversion and editing; data quality and error modelling.

- **Module 3 Spatial Relationships and Database Structures**
  Spatial objects and relationships; data models, topological models, vector and raster representation; database technology.

- **Module 4 Manipulation and Analysis**
  GIS analysis functions – reclassification, overlay, interpolation.

- **Module 5 Applications for GIS**
  General applications; specific applications (in conjunction with practical laboratory work).

- **Module 6 Other Related Issues**
  GIS design, administration and system planning; legal aspects, future of GIS; the Internet.

- **Practical Exercise Programme**
  Appropriate practical exercises will be undertaken using both raster and vector systems. Students will have the opportunity to use a variety of advanced data capture systems.

Entry Requirements
Candidates should normally possess an appropriate third level qualification. However, consideration will be given to mature candidates with relevant practical experience. Candidates should ideally be working in the GIS or a related industry.

Duration
Twenty weeks lectures/practical work consisting of one evening per week.

How to Apply/Enrol
Postal application only on the enclosed form by Friday 9th September 2005.
Note: As places are limited on this popular programme, early application is advised.

Programme Fee (See page 8)
€518

Award
Dublin Institute of Technology **Certificate of Completion**.

Further Information
Secretary, Department of Geomatics.
t +353 1 402 3742

Location
DIT Bolton Street.

DT158 GPS - The Global Positioning System

This progamme is currently under development as an online "e-learning" programme. Further details can be obtained from the school secretary.

Further Information
Elaine Ryan,
School Secretary
School of Environmental Planning and Management,
DIT Bolton Street,
Dublin 1.
t +353 1 402 3742
e elaine.ryan@dit.ie

B707 MSc in Planning and Development

Description
This two-year, part-time programme provides the educational requirements for practice as a Planning and Development Surveyor. It also serves the purpose of broadening the knowledge and skill base of professionals working in the built environment field.

Content
Valuations, law, urban land economics, taxation and rating, building technology and management, health and safety, principles and techniques of planning, planning and development policies, urban design, practice and procedures, finance and investment, site visits and a dissertation.

Entry Requirements
Entry to holders of a recognised professional qualification in planning, architecture, surveying, engineering, law, accountancy or an appropriate honours degree (2.2 grade or higher) and a minimum of three years post-certification suitable work experience in the built environment field.

Duration
Two years part-time. The programme requires attendance for eight hours weekly (normally on Mondays) plus tutorials and site visits over two academic years concluding with the submission of the dissertation in November of the second year.

How to Apply/Enrol
This programme commences every second year. The next first year intake will be in September 2006. Applicants are required to complete an application form (available from the Office of Graduate Studies and Research) and attend an interview.
Closing Date: March 2006.

Programme Fee (See page 8)
€2,600.

Examinations
Formal written examinations at the conclusion of each academic year in addition to project work and a dissertation.

Award
MSc in Planning and Development of Dublin Institute of Technology.

Career Opportunities
The programme has been accredited by the Society of Chartered Surveyors/Royal Institution of Chartered Surveyors as fulfilling the academic requirements for membership of the Planning and Development Division of the Society and Institution.

Further Information
Ms. Yvonne McGlynn
Faculty of the Built Environment,
t +353 1 402 3612
f +353 1 402 3999
e yvonne.mcglynn@dit.ie
or
Mr. Hendrik W. Van der Kamp
Faculty of the Built Environment,
t +353 1 402 3745
f +353 1 402 3999
e henk.vanderkamp@dit.ie
or
Office of Graduate Studies and Research,
Dublin Institute of Technology,
Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2.
t +353 1 402 3434
f +353 1 402 3399
e postgraduate@dit.ie
w www.dit.ie

Location
DIT Bolton Street.

DT149 Site Management

Description
This programme of studies has been designed to enable senior apprentices and craftspersons to qualify as site managers, clerks of works, building inspectors, etc. in the building industry.

Content
Year 1: Construction, management, building science, measurement, estimating & costing, computer applications.

Year 2: Construction, land surveying, quantities, materials, structural engineering, management, CAD.

Year 3: Construction, land surveying, quantities, management, safety legislation, building law and human resource management.

Entry Requirements
Senior Trade Certificate or National Craft Certificate.

Duration
Three years, one day and one evening per week.

How to Apply/Enrol
Call in person and complete application form. Suitable for those who have completed an apprenticeship or mature students who wish to gain management positions.

Programme Fee (See page 8)
€880 per year (inclusive of DIT examination fee ONLY).

Examinations
Year 1: four written examinations plus course work.
Year 2: five written examinations plus course work.
Year 3: six written examinations plus project.

Award
Higher Certificate from Dublin Institute of Technology.

Further Information
James Kelly
Department of Construction Skills
t +353 1 402 4022

Location
DIT Bolton Street.

B714 MSc in Spatial Planning

Description
This part-time programme provides an opportunity for existing professionals who work in the area of the built environment in Ireland or abroad, to become professional planners through a modular delivery of lectures, tutorials and seminars over a period of 2.5 years, including the successful completion of a dissertation. The need to expand significantly the number of planners in Ireland has become evident as a result of increased levels of construction in the country and the introduction of new planning legislation. This increased demand is felt in both the public and private sectors of the profession. The purpose of this programme is to address the immediate nature of the need for more professional planners by focusing on experienced professionals in the built environment who are already working in, or at the margins of the planning system.

In addition, the programme seeks to bring a wider range of multi-skilled people into the planning practice. The programme is presented within the School of Environmental Planning and Management in the Faculty of the Built Environment in DIT. It is envisaged that the intake of students will be approximately 15-20 of different disciplines and backgrounds, all with substantial experience in the built environment. Since students will be experienced practising professionals from different disciplines, the programme provides scope for a considerable degree of inter-disciplinary learning and evaluation of experience both within the student group as well as between lecturers and students.

Students are expected to actively contribute to this interactive process.

Content
Year 1: Spatial planning; planning law; introduction to design; local area plan; rural planning; building technology; sustainable resource management; ecology; economics; sociology; data collection and analysis; GIS.

Year 2: Planning theory; European planning; development control project; urban design; urban design project; property development; transport and communications; environment and planning; urban and regional development; GIS applications; planning techniques.

Logbook: The student must maintain a logbook for the duration of the programme detailing the areas in which work experience has been gained. The logbook should demonstrate that the student has worked for at least 40 days in each of four practice areas in spatial planning.

Duration
The programme is presented on a part-time basis through a five-semester cycle and will therefore require 2.5 years to complete. During each of semesters one to four, attendance is required for four periods of one week as well as one weekend seminar. During the lecture/tutorial weeks full-time attendance is necessary. Total programme attendance normally amounts to sixteen weeks of lectures and tutorials, four weekend seminars, and two exam periods. Written examinations are held at the end of years one and two. During the fifth semester (year 3), students work primarily on their dissertation.

Programme Fee (See page 8)
Years 1 and 2: €3,200 per year.
Year 3: €1,650.

Entry Requirements
In order to be admitted to the programme, students must meet the following requirements:

- An appropriate (honours) Degree or equivalent;
- Normally a minimum of five years relevant experience in a professional capacity (not necessarily consecutive years);
- An ability to demonstrate a current position in employment that is relevant to spatial planning and a willingness by the employer to make time available to attend the programme and to assign tasks in such a way that the student can link current work experience to the material covered in the programme.
- Prospective students are expected to address these matters in the written application as well as in an interview.

Closing Date for Applications
29th April 2005.

Award
MSc in Spatial Planning of Dublin Institute of Technology will be awarded to participants who successfully pass the formal examinations and assessments of the programme and who complete and successfully pass the dissertation.

Career Opportunities
The programme has been designed to address all core requirements of a professional planning programme. It is intended that the programme will obtain a permanent place in the education of planners in Ireland as a specific route to a professional qualification for those who are already working in areas related to planning. The programme specifically focuses on the professional practice of spatial planning, the design and technical expertise aspects of the profession and sustainability and environmental issues. The programme has been accredited by the Irish Planning Institute as fulfilling the academic requirements for corporate membership of I.P.I.

Further Information

Mr Hendrik W Van der Kamp,
Programme Director
School of Environmental Planning and Management
DIT Bolton Street, Dublin 1
t +353 1 402 3745
f +353 1 402 3999
e henk.vanderkamp@dit.ie
or
Yvonne McGlynn,
Dept. of Planning and Development,
School of Environmental Planning and Management,
DIT Bolton Street,
Dublin 1
t +353 1 402 3612
f +353 1 402 3999
e yvonne.mcglynn@dit.ie
or
Office of Graduate Studies & Research,
DIT Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2.
t +353 1 402 3434
f +353 1 402 3399
e postgraduate@dit.ie
w www.dit.ie

Location

DIT Bolton Street

DT140 Decorative Plasterwork

Description
To provide the participants with the necessary knowledge and skills to produce and fix decorative plasterwork to various dimensions and designs.

Content
Squeeze making, profile preparation and production, running moulds, casting centre pieces, casting and fixing cornices, rubber mould production, in-situ cornices, repairs to existing plasterwork.

Entry Requirements
Knowledge of plastering and construction.

Duration
Thirty weeks. One evening (three hours) per week.

Programme Fee (See page 8)
€518

Career Opportunities
Advancement in the plasterwork industry.

Further Information
Martin Sneyd
Department of Construction Skills
t +353 1 402 4057

Location
DIT Bolton Street.

DT142 Signwork - Advanced (Parts 1 and 2)

Description
This programme is designed to give painting and decorating craft persons and persons involved in the sign industry opportunities to improve their skills and knowledge in the preparation of signwork.

Content
Design, shape and form in signwork. Production of signs, glass gilding and etching, ornamental gilding, silk screening.

Entry Requirements
Employment in the painting/decorating and/or sign industry.

Duration
- Part 1: thirty weeks (five hours per week over two evenings).
- Part 2: thirty weeks (five hours per week over two evenings).

Programme Fee (See page 8)
€726
Examination fees are additional.

Career Opportunities
Advancement in signwork industry.

Award
Continuing Professional Development Certificate of Dublin Institute of Technology.

Further Information
Martin Sneyd
Department of Construction Skills
t +353 1 402 4057

Location
DIT Bolton Street.

DT146 Woodcutting Machining

Description
This programme is designed to give students an appreciation and understanding of the safe use of woodcutting machines.

Content
Woodcutting machining theory and practice.

Entry Requirements
Employment in the timber trades.

Duration
One year, two evenings per week.
Monday and Wednesday 7 - 10 pm.

How to Apply/Enrol
Call in person and complete application form. Payment by Bank Giro. Suitable for those employed in the timber trades.

Programme Fee (See page 8)
€726

Examinations
None.

Award
Certificate of Attendance.

Career Opportunities
Progression to supervisory position.

Further Information
Niall McIntyre
Department of Construction Skills
t +353 1 402 4082

Location
DIT Bolton Street.

DT147 Wood Turning

Description
To give students and craftspersons hands-on experience on the use of the lathe.

Content
General wood turning operations.

Entry Requirements
None.

Duration
Ten weeks, three hours per week (Monday 7 - 10 pm.)

How to Apply/Enrol
Call in person and complete application form.

Programme Fee (See page 8)
€237

Examinations
None.

Further Information
James Kelly
Department of Construction Skills
t +353 1 402 4022/4014

Location
DIT Bolton Street.

DT148 Building Technology

Description
To prepare students for the Department of Education and Science technological examinations.

Content
Year 1: Construction, Builders Quantities, Land Surveying.

Year 2: Construction, Builders Quantities, Construction Drawing.

Entry Requirements
Employment in the building industry.

Duration
Two Years. Three evenings per week – Monday, Tuesday, Wednesday (7 - 10 pm).

How to Apply/Enrol
Call in person and complete application form. Payment by Bank Giro. Suitable for those seeking to gain an insight into construction studies.

Programme Fee (See page 8)
€726 (examination fee not included).

Award
Technological Certificate in Building from the Department of Education and Science.

Further Information
Thomas Tutty
Department of Construction Skills
t +353 1 402 4022/4079

Location
DIT Bolton Street

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POWERSCOURT

FACULTY OF BUSINESS

Programme	Code	Page
Accountancy (ACCA)	DT330	49
Accounting Technician	DT333	50
Advertising (Creative)	DT336	48
Advertising (Executive)	DT335	48
Business and Legal Studies BSc (Hons)	DT370	53
Business Studies BBS (Hons)	DT331	51
Human Resource Management BSc (Hons)	DT332	54
Marketing Diploma	DT334	57
Marketing Foundation	DT334	56
Marketing Graduateship	DT334	58
MBA	A357	60
Personnel Practice Certificate	DT337	62
Purchasing and Materials Management	DT339	63
Retail Management	DT342	64
Selling Certificate	DT334	59
Strategic Management MSc	M587	65
Supervisory Management Certificate	DT338	66

DT335 Professional Diploma in Advertising (Executive)
DT336 Professional Diploma in Advertising (Creative)

Description
This programme, designed by the Joint Advertising Education Committee, provides basic training for people working in advertising or potential entrants to the broader advertising industry. The executive stream focuses on Client Services, Media and Marketing Communications. The Creative Stream specialises in Art Direction, Copywriting and Design and Layout. Each stream is recruited separately (see below)

Entry Requirements
Applicants should normally have Leaving Certificate with 1 honour i.e. C3 on a higher paper plus four passes (including English and Mathematics), or Leaving Certificate with 5 passes (including English and Mathematics) plus 1 years relevant work experience or other programme of study.

Duration
One year.

How to Apply/Enrol
An application form will be available from mid-July from DIT Aungier Street. Completed forms should be returned not later than Friday 19th August 2005 to the Secretary, School of Marketing, DIT, Aungier Street, Dublin 2. Places in the executive stream (DT335) are normally allocated on the basis of the application form without an interview. Successful candidates for the executive stream will be notified by mail during the first or second week in September.
Places in the Creative Stream (DT336) are normally allocated on the basis of an interview. Interviews for the creative stream for 2005-2006 will be held in early September. All applicants are interviewed. Applicants wishing to enrol in the Creative Stream should bring a portfolio of current work for assessment at the time of interview, and must submit a description of the contents of the portfolio with their application form. Enrolment for successful candidates will take place mid-September. A briefing session will be held at the start of that evening. Late applications may be considered should vacancies still remain. Normally students are offered a place on one stream and may not transfer from one stream to the other after the initial offers of places. Number of places available: - Creative Stream: 15 Executive Stream: 50

Programme Fee
€726 per year.

Examinations
Examinations are held each year in May/June.

Award
Successful students are awarded a Professional Diploma in Advertising from the Joint Advertising Education Committee.

Career Opportunities
This programme leads to a professional qualification for persons working or desiring to work in advertising. For further information about career opportunities contact:
Joint Advertising Education Committee,
c/o IAPI,
8, Upper Fitzwilliam Street,
Dublin 2.
www.iapi.ie

Further Information
Rosie Hand
School of Marketing, DIT Aungier St
t +353 1 402 7127
f +353 1 402 7198
e rosie.hand@dit.ie

Location
DIT Aungier Street

DT330 The Association of Chartered Certified Accountants

Description
This programme is designed to prepare students for the examinations of The Association of Chartered Certified Accountants.

Content
Part 1: Preparing Financial Statements,
Financial Information for Management,
Managing People.

Entry Requirements
To comply with the requirements of the ACCA, applicants should have a Leaving Certificate with passes in five subjects, three of which must be at Grade C3 or higher on higher level papers. Results must include English and Mathematics. Students who do not possess the minimum entry qualifications and are aged 21 years or above, will be allowed to register and will be given two years (a maximum of 4 consecutive attempts) to pass papers 1.1 and 1.2 in Part 1. Intending students should contact the Institute to ensure that they meet the entry requirements before enrolling. The decision rests with the ACCA.

Exemptions for Degree holders:
Holders of recognised business and/or accounting Degrees will be considered for exemptions from some or all of the papers in Parts 1 and 2 if they have previously studied and been assessed in comparable subject material. Students with non-relevant Degrees (including Mathematics and Economics) will not receive exemptions from the examinations.

Other exempting qualifications:
Other higher qualifications, including professional qualifications, will be assessed for exemption from the new scheme using the above policies as benchmarks. However, there will be no exemptions from any Part 3 examinations.

Duration
Part 1: Classes will be held from 6.00 - 9.00 pm on Mondays and from 6 - 9.30 pm. on Wednesdays. Programme timetable is subject to change.

How to Apply/Enrol
Applications and enrolment will take place in DIT Aungier Street on Thursday 1st September 2005, 6 - 8 pm. Late applications may be considered should vacancies still remain.

Programme Fee (See page 8)
€726 per stage.

Examinations
The syllabus is examined bi-annually in June and December. The programme is designed to prepare students for the June sitting of the examinations.

Award
Successful students, with appropriate experience, are eligible to apply for membership of The Association of Chartered Certified Accountants (ACCA).

Career Opportunities
The Association of Chartered Certified Accountants is a widely recognised body in Ireland, the United Kingdom and world-wide for professional accountants. Members of ACCA are employed in many branches of industry and commerce. They also engage in private practice, as individuals or in partnerships offering accounting and auditing services to companies and the public. Students are recommended to join the ACCA's Student Society, details of which may be obtained from the address below.

Full details of ACCA, its objectives, activities, examinations, regulations and syllabus may be obtained from:
The Association of Chartered Certified Accountants,
9 Leeson Park, Dublin 6.
t +353 1 496 3144
f +353 1 496 3615

Further Information
The Secretary,
Department of Continuing Professional Education.
t +353 1 402 3031
e susan.scott@dit.ie

Location
DIT Aungier Street.

DT333 The Institute of Accounting Technicians in Ireland

Description
This programme is designed to prepare students for the Examinations of the Institute of Accounting Technicians in Ireland (I.A.T.I.).

Content
The programme, which is offered in two stages, Foundation and Admission, introduces students to a wide range of accounting practices, business and computerised accounting skills. During the Admission Year, students choose between the Practice Option and the Business Option, i.e. a choice of the fourth subject being Taxation 2 or Costing and Budgeting. All students submit a computerised accounting assignment using TAS books and software.

- Foundation: Accounting 1, Business Law, Business Management, Taxation 1.
- Admission: Accounting 2, Taxation 2 or Costing and Budgeting, Company Law, Information Technology in Business.

Entry Requirements
Applicants should have a Leaving Certificate with at least 5 passes on ordinary level papers at grade D3 or better or 4 passes of which at least two are on higher level papers at Grade D3 or better. Passes must include English and at least one subject from Mathematics or Accountancy. Mature students with suitable experience may apply to the Institute of Accounting Technicians in Ireland for enrolment on the basis of their age and experience. Intending students should contact the Institute to ensure that they meet the entry requirements before enrolling. The decision rests with the I.A.T.I.

Duration
The programme of study extends over two years.
Section 1: Foundation – four subjects
Classes are held on Tuesday and Wednesday.
Section 2: Admission – four subjects.
Classes are held on Tuesday and Wednesday and Thursday for TAS book (10 weeks).
Programme timetable may be subject to change.

How to Apply/Enrol
Enrolment will take place in DIT Aungier Street on Thursday 1st September 2005, 6 - 8 pm. Late applications may be considered should vacancies still remain.

Programme Fee (See page 8)
€726 per stage.

Examinations
Examinations are held bi-annually in May and September. The programme is designed to prepare students for the May sitting of the examinations.

Award
Successful students, with relevant work experience, are eligible to apply for membership of the Institute of Accounting Technicians in Ireland (M.I.A.T.I.).

Career Opportunities
The Institute of Accounting Technicians in Ireland was founded in 1983 to provide a recognised qualification and membership body for staff engaged in accounting or financial duties in commercial, industrial or public sector organisations and in the offices of practising accountants. The qualification entitles members to admission to studentship of a senior accountancy body with the benefit of gaining exemptions. I.A.T.I. is a member of the International Federation of Accountants (I.F.A.C.).

IATI Registration
Closing Date: mid-November 2005. Fees for registration, annual subscription, exemption and examination will be due to the Institute of Accounting Technicians in Ireland.

Exemption
Closing Date: November 2005. It is important that you obtain a copy of "Accounting Technician Careers" June 2005 edition for details of IATI registration.

Further Information
Further information and application form available from:
The Institute of Accounting Technicians in Ireland,
87-89 Pembroke Road,
Ballsbridge, Dublin 4.
t +353 1 637 7363
f +353 1 668 0842
e info@iati.ie

Further Information
The Secretary
Department of Continuing Professional Education.
t +353 1 402 3031
e susan.scott@dit.ie

Location
DIT Aungier Street.

DT331 Bachelor of Business Studies – Honours

(Subject to validation)

Description

This part-time modular programme offers part-time students an opportunity to gain a Bachelor of Business Studies (Honours) over a four year period. The Bachelor of Business Studies has been introduced to meet the demand for a flexible, undergraduate honours degree in business, with modules in core business studies subjects and specialist subjects across the following streams:

- Accounting and Finance
- Financial Services
- Health Services Management
- Logistics
- Marketing
- Retail and Services Management

The programme is modularised allowing students a range of choices to meet their future needs (subject to timetabling restrictions). It allows them to select the skills, knowledge and attributes that they believe will be required of them upon graduation.

Content

The programme requires students to complete core modules and stream modules from each of the areas outlined above. The core modules include:
Stage One: Marketing (I and II), Management (I and II), Accounting (I and II), Mathematics and Statistics (I and II), Communications, Economics (I and II), and Irish & EU Law.
Stage Two: Behavioural Science (I and II), Business Finance (I and II), Ireland & the Economic Environment, Business & Company Law, Operations Management and Managing Information, plus 4 modules from selected stream.
Stage Three: Human Resource Management (I and II), Project Management, Business Information Systems, Services Marketing Management and Business Research Methods, plus 6 modules from selected stream.
Stage Four: Strategic Management, Organisational Change and Group Research Project plus 6 modules from selected stream. Stream modules are outlined in the table.

Entry Requirements and Exemptions

With the objective of facilitating entry to those with appropriate educational background and work experience, the guidelines governing selection for the programme are as follows:

1. Applicants in the main are mature students, already employed, who are seeking formal qualifications to enhance a career in the Business disciplines of Accounting & Finance, Financial Services, Health Services Management, Logistics, Marketing, and Retail Services Management
2. Applicants should hold the Irish Leaving Certificate with passes in not less than six subjects, two of which should be at Grade C3 or better in higher level papers.
3. In special circumstances applicants with substantial work experience at an appropriate level but who do not have the minimum qualifications may be accepted. Selection will be based on an interview.
4. Applicants with a degree or equivalent qualification may be granted exemptions on a module-by-module basis from the first three stages.
5. Selection will be on the basis of completed application form, using the following criteria for selection:
   (a) educational background
   (b) practical business experience.
   Arrangements will be made to facilitate DIT graduates who hold relevant ordinary degrees and who wish to undertake additional study towards the honours degree.

Duration

The programme is delivered over four stages or years and is expected to commence in the third week of September.
Stage 1: Classes are held on three nights per week from 6.00pm to 10.00pm.
Stage 2: Classes are held on three nights per week from 6.00pm to 10.00pm.
Stage 3: Classes are held on three nights per week from 6.00pm to 10.00pm.
Stage 4: Classes are held on three nights per week in Semester 1 and two nights per week in Semester 2 from 6.00pm to 10.00pm.
The programme subjects and timetable are subject to change.

How to Apply/Enrol

Completed application forms should be returned to the Secretary of the School of Management (see below) by August 26th, 2005. As the number of places is limited, candidates may be short-listed on the basis of information supplied on the application form. Late applications may be considered should vacancies remain. Candidates will be notified of the outcome or of any short-listing procedures.
Application forms are available from the School of Management Studies at the contact details outlined below.

Programme Fee

€1,452.

Award

Successful graduates will be awarded a **BBS(Hons)** of Dublin Institute of Technology.

Career Opportunities

The programme has been designed primarily to equip graduates for progression in executive positions in their career and at the same time provide them with a foundation for further academic or professional study in their chosen stream area. In most streams DIT can offer students opportunities to pursue further postgraduate studies in full-time and/or part-time modes.

Further Information

Secretary,
School of Management Studies,
DIT Aungier Street, Dublin 2.
t +353 1 402 3031
e susan.scott@dit.ie

Location

DIT Aungier Street.

Stream modules

Stream	Stage 2	Stage 3	Stage 4
Accounting & Finance	Financial Reporting (I)* Management Accounting (I)*	Financial Reporting 2* Management Accounting 2* Auditing*	Advanced Financial Reporting* Corporate Finance* Taxation*
Financial Services (Insurance)	Risk & Insurance Management Accounting* Law for Insurance	Personal & Motor Insurance Property & Pecuniary Insurance Quality Management Life Pensions & Investments I Liability Insurance Practice I Financial Service	Life Pensions & Investments II and III Liability Insurance Practice II Corporate Finance* Insurance & S.E. Market
Financial Services (Management of Credit)	Credit & Risk Management I Accounting* Law for Credit Management I	Credit & Risk Management II & III Law for Credit Management II Quality Management Credit Informatics I Business-to-Business Marketing	Corporate Finance* Credit Informatics II Credit & Risk Management IV & V Business Policy for Credit & Risk Management
Health Service Management	The Irish Health System Management Accounting* Health Service Law	Health Policy* Managing Public Services Quality Management Health Informatics I Service Planning	Health Informatics II International Healthcare Systems* Health Economics*
Logistics & Supply Chain Management	Introduction to Logistics Forecasting & Inventory Management Warehousing Design & Management Transport Management	Transport & Distribution Procurement Management Quality Management Advanced Operations Management Applied Logistics & IT Negotiations & Tendering	Strategic Partnerships & Outsourcing Global SCM Electronic Business Strategic Logistics Management Marketing Logistics Supply Chain Case Studies
Marketing	Market Research Marketing Management* Market Research Applications I	Market Research Applications II Consumer Behaviour** International Marketing Marketing Analysis I Business-to-Business Marketing	Interactive Marketing Marketing Communications* Marketing Analysis II Strategic Marketing Consumer Research
Retail Services Management	Introduction to Retail Personnel Selling Retail Law Retail Design	Consumer Behaviour Electronic Business Introduction to Logistics Premises Location & Management Health & Safety Buying & Merchandise Management I	Security Marketing Communications* Buying & Merchandise Management II Retail Case Studies

** Denotes that this is a double module delivered over two semesters.*

DT370 Business and Legal Studies - BSc Honours

Description
The overall aim of the programme is through a process of education to develop a high level of intellectual awareness and technical competence in Business and Legal Studies. It is expected that graduates of the programme will be able to take their places in management positions in business, commerce, and the public sector and demonstrate a high level of competence. With further management experience, they will be capable of reaching the most senior management positions.

For those wishing to pursue a career in law the programme has specific aims. It aims to develop the students' knowledge and understanding in some elements of the law, to develop a range of key management skills and to extend and integrate the total programme to a level expected of competent business professionals.

Content.
Stage 1
Information and Communication Studies
Management
Economics
Mathematics and Statistics
Financial Analysis
The Law of Contracts
Introduction to the legal systems of Ireland and the European Union

Stage 2
Behavioural Science
Organisation Behaviour
Marketing
Business finance
Law of Torts
European Union Law
Company & Commercial Law

Stage 3
Core
Employment Law
The law of Property and Trusts for management
Economics of strategy
Business Research Methods
Managerial Accounting

Optional (two modules from the following)
Administrative Law
Insurance Law
Human Resources Management
Organisational Change
Project Management

Stage 4
Core
Strategic Management
Civil procedure, Arbitration & Alternative Dispute Resolution.
Group Research Project
Information Technology and the Law
Optional (two modules from the following):
Accounting for Control and Decision Making
Corporate Finance
Law and economics of competition
Environmental & Planning Law
International Trade Regulation
Corporate Governance & Business Ethics

Entry requirements
Applicants should have a Leaving Certificate with passes in not less than six subjects, two of which should be at grade C3 or better on higher level papers. Mature students with a satisfactory level of education and relevant business experience are welcome to apply. Applicants may be interviewed before admission.

Nature, Duration and Structure of the Programme
The programme is designed on a modular, semesterised basis and is structured into four stages. While completion of the programme is not time constrained i.e. it does not have to be completed within a set time period, it is anticipated a student could complete each stage of the programme within one year. This will require attendance at lectures on at least three evenings per week throughout the programme. However, given the DIT commitment to Life Long Learning and to flexibility in supporting part time students, it is anticipated that students will progress through the programme at differing paces, depending upon their personal circumstances which likely dictate the time available to commit to their studies.

How to apply/enrol
An application form is attached at the back of this directory. Completed application forms should be returned not later than Monday 15 August 2005 to the School Secretary, School of Accounting and Finance, DIT, Aungier Street, Dublin 2. Enrolment will take place in DIT Aungier Street on Tuesday 6th September 2005 from 6-8 pm. Late applicants may be considered should vacancies still remain in September.

Programme Fee
€1452

Examinations
Examinations are held at the end of each semester.

Exemptions
Holders of approved third level or professional qualifications may be granted exemptions on a subject for subject basis in Stages one and two and exceptionally in Stage 3.

Award
BSc (Business and Legal Studies).
The degree will be awarded by the Dublin Institute of Technology under the degree awarding powers made available to the Institute by the provisions of the Dublin Institute of Technology (DIT) Act, 1996, with classifications as specified for Honours degrees in the DIT Regulations:

Honours:	First Class
	Second Class, Upper Division
	Second Class, Lower Division
Pass:	Pass

Career Opportunities
The programme is designed to enhance the opportunities for advancement in their management careers for graduates in industry, the service economy, banking and financial services, the public sector and trade unions. The programme provides an excellent conceptual and analytical training for those seeking senior management roles in their organisation.

Further information
The School Secretary
t- 353 1 402 3097

Location
DIT, Aungier Street

DT332 Human Resource Management BSc (Honours)

Description

Human resources are critically important to organisational success and increasingly a qualification in Human Resource Management is considered essential for those seeking a career in the area. This four-year degree programme provides a specialist education in Human Resource Management, leading to a comprehensive understanding of its strategic and operational roles. In addition to the focus on Human Resource Management knowledge and skills, the programme provides a broad-based business management education. Participants will gain a thorough understanding of human resources within a business environment both nationally and internationally. They will develop key skills in analysis, communication, leadership and decision-making, as well as personal skills and flexibility. The objectives of the programme are:

1. To introduce students to the basic concepts underlying Human Resource Management and to place these in the overall context of management.
2. To develop in students an ability to apply Human Resource Management and other management processes and functions to real management situations.
3. To develop a high level of technical competence and skill in the Human Resource Management area equal to that which would be expected of competent personnel professionals.
4. To facilitate the student's ability to transfer acquired knowledge and skill to work situations.
5. To raise the student's knowledge and competence in Human Resource Management to the level of strategic decision making.
6. To develop the student's awareness of managing a culturally diverse workforce and the student's understanding of international HRM concepts.

The programme's lecturing team worked closely with industry in the design of the programme. The programme has been granted full exemption status by the Chartered Institute of Personnel and Development and consequently graduates of the programme will also be eligible for Graduateship Membership of the Chartered Institute of Personnel Development.

Content

First Year: People Management & Development I, People Management & Development II, Managing Activities, Irish & European Law, Managing Information and major work-based project.

Second Year: People Resourcing, Designing & Delivering Training, Managing People, Employment Law and Managing Information Systems.

Third Year: Employee Reward, Employee Relations, Managing in a Business Context, Management Report, Business Research Methods and Financial Management & Accounting.

Fourth Year: Pensions, Health & Safety, Performance Management, Managing Information Systems II, Dissertation.

In the final year of the programme students will be required to complete a work-based dissertation with the support of a supervisor. This will be a significant research project into a particular aspect or issue relevant to Human Resource Management.

A unique feature of the programme is the development of the students' operational competences. It is essential that knowledge gained is supplemented by key skills, which will be required by developing managers. Students will participate in Skills Development Seminar Days in each year of the programme that will provide time for the development of skills to a higher level of competence.

Duration

The programme is offered over four years and normally commences in the third week of September.
Year 1: Classes are held on Monday and Tuesday from 6.00pm to 10.00pm.

Year 2: Classes are held on Monday and Tuesday from 6.00pm to 10.00pm.

Year 3: Classes are held on Monday, Tuesday and Thursday from 6.00pm to 10.00pm.

Year 4: Classes are held on Monday, Tuesday and Thursday from 6.00pm to 10.00pm.

Students are also required to attend three Skills Development Seminar Days each year.
The programme subjects and timetable are subject to change.

Entry Requirements

Applicants should have a Leaving Certificate with passes in not less than six subjects, two of which should be at Grade C3 or better on higher level papers. A minimum of two years commercial or relevant working experience is highly desirable. In special circumstances applicants with substantial work experience at an appropriate level but who do not have the minimum qualifications may be accepted. Applicants with a degree or equivalent qualification may be granted exemptions on a module-by-module basis from year one and year two. However there are no exemptions available for CIPD modules. Final selection of students for the programme will be on the basis of a completed application form using the following criteria for selection:
(i) educational background; (ii) practical experience and (iii) formal recommendation from employer.

How to Apply/Enrol
Completed application forms should be returned to the Secretary of the School of Management by August 26th, 2005. As the number of places is limited, candidates may be short-listed on the basis of information supplied on the application form. Late applications may be considered should vacancies remain. Candidates will be notified of the outcome or of any short- listing procedures. Application forms are available from the School of Management Studies at the contact details outlined below.

Programme Fee (See page 8)
€1,452 per year.

Assessment and Examinations
The method of assessment is by way of written examinations and/or practical project work in each subject. Examinations are held annually in May/June. Final year students will be required to complete a work-based dissertation.

Award
BSc Human Resource Management (Honours) of Dublin Institute of Technology. On successful completion of the programme graduates are also eligible for Graduateship Membership of the Chartered Institute of Personnel Development.

Career Opportunities
With the changing nature of jobs, a qualification in general management with a specialism in Human Resource Management is considered ideal for those embarking on a career in management or Human Resource Management. This degree is intended to be a sound foundation for various Human Resource Management specialist or generalist roles at various managerial levels. Graduates of the programme will be able to take their places in management positions in business, commerce, the public sector and demonstrate a high level of competence. Coupled with additional management experience, they will be capable of reaching the most senior management positions.

Further Information
Should you require an application form for the BSc Human Resource Management please contact:
Susan Scott,
School of Management Studies,
DIT Aungier Street, Dublin 2
t +353 1 402 3031
e susan.scott@dit.ie
w www.dit.ie/DIT/business/management/

Should you require further information on the BSc Human Resource Management please contact the course director:
Mary Prendergast,
Lecturer in Human Resource Management
t +353 1 402 3202
e mary.prendergast@dit.ie
or
Paul O'Reilly,
Head of Department of Management Studies
t +353 1 402 3162
e paul.oreilly@dit.ie

Location
DIT Aungier Street.

DT334 Foundation Certificate in Marketing (MII)

Description
This programme is aimed at students who are commencing marketing studies. The programme examines basic principles in all the subject areas and is designed to be a 'student-friendly' introduction to part-time study. At the end of this programme, students will have an understanding of the fundamental principles of marketing and enterprise development. They will have developed an appreciation of the relationship between marketing and other business functions such as finance and personnel.

Content
Year 1
Prinicpals of Marketing
Economics
Behavioural Aspects of Marketing
Marketing Information Analysis
Written Project.

Year 2
Marketing Information Analysis 2
Marketing Finance
Regulatory Environment for Marketing
International Business
Written Project.

Entry Requirements
Irish Leaving Certificate
a) with one honour (i.e. C3 on higher level paper) plus four passes (including English and Mathematics) or
b) with five passes (including English and Mathematics) plus one year's experience or additional programme of study.
Mature applicants over 21 years are considered by the Education Committee of the Marketing Institute.

Duration
Two years.

Attendance
- 1st Year: Tuesday 6.30 - 9.30 pm.
  Thursday 6.30 - 9.30 pm.
- 2nd Year: Monday 6.30 - 9.30 pm.
  Wednesday 6.30 - 9.30 pm.

The programme subjects and timetable may be subject to change.

How to Apply/Enrol
Students may enrol for the programme from Tuesday 6th September to Thursday 8th September, 2005 and Monday 12th and Wednesday 14th, 6 - 8 pm. at DIT Aungier Street. Classes commence on Tuesday 20th at 6.30 pm. Places on this programme are allocated in order of enrolment. Applicants with a university degree or other third level academic qualification may be eligible for exemptions in individual subjects. Further information on exemptions is available directly from The Marketing Institute.

Programme Fee (See page 8)
€726 per year. You must also register as a student member with The Marketing Institute. This costs €275. Registration for The Marketing Institute must be made before 21st October 2005.

Examinations
Examinations for the Foundation Certificate in Marketing are held in May and repeat examinations are held in August each year. Students will be advised of the exact dates well before the examinations take place. Examination fees payable to the Marketing Institute: one examination/project €50; each additional examination/project €20. A student taking all four examinations and the single project will therefore pay €130 fees.

Award
On successful completion of the examinations the Marketing Institute awards the graduate of this programme the Foundation Certificate in Marketing.

Career Opportunities
As with all marketing qualifications, the fields open to the graduates of this programme are numerous. Many graduates use their qualifications to get into marketing positions in their own companies, many continue their studies for an additional year and complete the Diploma in Marketing and attempt to expand their career opportunities and choices.

Further Information
Mr. Chris Farren
Head of Department of Continuing Professional Education
t +353 1 402 7041
e chris.farren@dit.ie
or
The Marketing Institute,
South County Business Park,
Leopardstown,
Dublin 18.
t +353 1 295 2355
f +353 1 295 2453
e education@mii.ie

Location
DIT Aungier Street.

DT334 Diploma in Marketing (MII)

Description
This programme introduces major elements of management and international marketing practice to the student, building on studies undertaken in the Foundation Certificate in Marketing or the Certificate in Selling. At the end of this programme, students will have an understanding of the concepts, empirical findings and methodologies of buyer behaviour, together with a detailed knowledge of promotional mixes. Students will have the ability to apply the theory and practices of sales management and will have an advanced knowledge of international marketing.

Content
Buyer Behaviour
Marketing Communications
Management of Sales and Customer Service
International Marketing, Management and Strategy
Written Project.

Entry Requirements
Successful completion of Stages 1 and 2 studies i.e. the student who has successfully passed either the Foundation Certificate in Marketing or the Certificate in Selling examinations or has been exempted from stages 1 and 2.

Duration
One year.
Attendance:
Monday 6.30 - 9.30 pm.
Wednesday 6.30 - 9.30 pm.
The programme subjects and timetable may be subject to change.

How to Apply/Enrol
Students may enrol for the programme on Tuesday 6th to Thursday 8th September 2005 and Monday 12th and Wednesday 14th September 2005, 6 - 8 pm. at DIT Aungier Street. Classes commence 19th September 2005. Places on this programme are allocated in order of enrolment. Applicants with a university degree or other third level academic qualification may be eligible for exemptions in individual subjects. Further information on exemptions is available directly from The Marketing Institute.

Programme Fee (See page 8)
€643 per year. You must also register as a student member with The Marketing Institute. This costs €275. Registration for The Marketing Institute must be made before 21st October 2005.

Examinations
Examinations for the Diploma in Marketing are held in May and repeat examinations are held in August each year. Students will be advised of the exact dates well before the examinations take place. Examination fees payable to The Marketing Institute: one examination/project €50; each additional examination/project €20. A student taking all four examinations and the single project will therefore pay €130 fees.

Award
On successful completion of the examinations, The Marketing Institute awards the graduates of this programme the Diploma in Marketing.

Career Opportunities
Graduates of this programme usually take an additional year of studies to complete the Graduateship of The Marketing Institute. As with all qualifications, Diploma holders enhance their career opportunities with the attainment of this qualification.

Further Information
Mr. Chris Farren
Head of Department of Continuing Professional Education
t +353 1 402 7041
e chris.farren@dit.ie
or
The Marketing Institute,
South County Business Park,
Leopardstown,
Dublin 18.
t +353 1 295 2355
f +353 1 295 2453
e education@mii.ie

Location
DIT Aungier Street.

DT334 Graduateship in Marketing (MII)

Description
This programme introduces the student to the major marketing specialisms and to the marketing management function. At the end of this programme, students will have examined the major issues in services and business-to-business marketing, gained an understanding of the strategic planning process and have the practical knowledge to deal with logistics problems. Students will have gained a knowledge of the managerial issues in marketing and other business functions.

Content
Services Marketing Management
Business-to-Business Marketing Management
Marketing Planning and Management
Logistics Management
Written Project.

Entry Requirements
Students must have successfully completed the Diploma in Marketing.

Duration
This is the final year of the Graduateship of The Marketing Institute. Attendance: Monday 6.30 - 9.30 pm.; Wednesday 6.30 - 9.30 pm. The programme subjects and timetable may be subject to change.

How to Apply/Enrol
Students may enrol for the programme on Tuesday 6th to Thursday 8th September 20085, Monday 12th and Wednesday 14th September 2005, 6 - 8 pm. at DIT Aungier Street. Classes commence Monday 19th September 2005. Places on this programme are allocated in order of enrolment. Applicants with a university degree or other third level academic qualification may be eligible for exemptions in individual subjects. Further information on exemptions is available directly from The Marketing Institute.

Programme Fee (See page 8)
€643 per year. You must also register as a student member with The Marketing Institute. This costs €275. Registration for The Marketing Institute must be made before 21st October 2005.

Examinations
Examinations for the Graduateship are held in May and repeat examinations are held in August each year. Students will be advised of the exact dates well before examinations take place.
Examination fees payable to The Marketing Institute: one examination/project €50; each additional examination/project €20.
A student taking all four examinations and the single project will therefore pay €130 fees.

Award
Graduateship of The Marketing Institute. The Marketing Institute awards this title on successful completion of all examinations and the graduate is entitled to use the letters MMII GRAD after his/her name.

Career Opportunities
Graduates of this programme hold a very diverse range of occupations in every field. Some are marketing directors and managers, others work as brand managers or key account executives in advertising agencies. Many work in a variety of management positions in services and the manufacturing sector. Increasingly, graduates of this prestigious programme go on to take further studies later in life and many use their qualification to enrol on Masters programmes.

Further Information
Mr. Chris Farren
Head of Department of Continuing Professional Education
t +353 1 402 7041
e chris.farren@dit.ie
or
The Marketing Institute,
South County Business Park,
Leopardstown,
Dublin 18.
t +353 1 295 2355
f +353 1 295 2453
e education@mii.ie

Location
DIT Aungier Street.

DT334 Certificate in Selling (MII)

Description
It is aimed at students who need a thorough understanding of the selling function. It is primarily designed to meet the needs of salespeople who wish to develop their careers. At the end of the programme, students will understand the fundamental principles of marketing and will have gained a thorough knowledge of the major aspects of the selling function and its relationship with marketing and other business disciplines.

Content
Year 1
Principles of Marketing
Principles of Selling
Behavioural Aspects of Marketing
Marketing Information Analysis 1
Written Project

Year 2
Marketing Information Analysis 2
Marketing Finance
Regulatory Environment For Marketing
Practice of Selling
Written Project
This programme is an option path within the MII Foundation Certificate in Marketing.

Entry Requirements
Irish Leaving Certificate:
- with one honour (i.e. C3 on higher level paper) plus four passes (including English and Mathematics) or
- with five passes (including English and Mathematics) plus one year's experience or additional programme of study. Mature applicants are considered by the Education Committee of the Marketing Institute.

Duration
Two years
Attendance:
1st Year: Tuesday 6.30 - 9.30 pm
Thursday 6.30 - 9.30 pm.
2nd Year: Monday 6.30 - 9.30 pm.
Wednesday 6.30 - 9.30 pm.
The programme subjects and timetable may be subject to change.

How to Apply/Enrol
Students may enrol for the programme on Tuesday 6th to Thursday 8th, Monday 12th and Wednesday 14th September 2005, 6 - 8 pm. at DIT Aungier Street. Classes commence 19th September 2005 at 6pm. Places on this programme are allocated in order of enrolment. Applicants with a university degree or other third level academic qualification may be eligible for exemptions in individual subjects. Further information on exemptions is available directly from The Marketing Institute.

Programme Fee (See page 8)
€726 per year. You must also register as a student member with The Marketing Institute. This costs €275. Registration for The Marketing Institute must be made before 21st October 2005.

Examinations
Examinations for the Certificate in Selling are held in May and repeat examinations are held in August each year. Students will be advised of the exact dates well before the examinations take place. Examination fees payable to The Marketing Institute: one examination/project €50; each additional examination/project €20. A student taking all four examinations and the single project will therefore pay €130 fees.

Award
On successful completion of the examinations, The Marketing Institute awards the graduates of this programme the Certificate in Selling. This qualifies the student for entry into the Diploma in Marketing programme which can be taken in DIT Aungier Street over one year.

Career Opportunities
Students successful in completing the studies and examinations of this programme may continue to the Diploma stage of The Marketing Institute's Graduateship programme. The programme leads to enhanced career opportunities within the sales environments of most companies.

Further Information
Mr. Chris Farren
Head of Department of Continuing Professional Education
t +353 1 402 7041
e chris.farren@dit.ie
or
The Marketing Institute,
South County Business Park,
Leopardstown,
Dublin 18.
t +353 1 295 2355
f +353 1 295 2453
e education@mii.ie

Location
DIT Aungier Street.

A357 MBA

Description

The achievement of an MBA is the proven path to career enhancement and transformation. It prepares participants for a career at senior management level by developing their capacity to contribute to, and lead the strategic direction of their organisation. It is delivered by a programme of directed and self-directed learning using a variety of approaches which enhance the interpersonal skills and leadership qualities of the participants. The DIT MBA programme is designed for participants with substantial managerial experience.

It is offered on a part-time basis over two years and commences in January each year. Applications are invited from highly motivated individuals with a strong commitment to developing a strategic perspective on the management of organisations. The programme is offered jointly by the Faculty of Business and the Faculty of the Built Environment within DIT. Lectures will normally take place in the DIT Aungier Street campus.

Content

Students undertaking the programme study the following subjects:

(1) a number of core subjects which are listed below;

(2) a suite of subjects in one of the following concentrations:
International Marketing; Accounting & Finance; Entrepreneurship; Facilities Management or Construction Project Management;

(3) students also undertake a major Group Company Project.

(1) Core subjects in each semester

Semester 1	Semester 2	Semester 3	Semester 4
Economic Analysis	Management & Organisational Behaviour	Strategic Management	Human Resource Management
Financial Analysis	Corporate Finance	Knowledge & Project Management	Business Law and Corporate Governance
Marketing	Management Control & Decision Making	Technology & Operations Management	
Management Science	Research Methods		

(2) Named streams* (Streams will run subject to demand)

International Marketing	Entrepreneurship	Accounting & Finance	Facilities Management	Construction Project Management
Services Marketing	Entrepreneurial Management	Management Control	Investment & Development Valuation	Procurement Studies
International Marketing	Technology & Innovation Management	Managerial Decision Making	Corporate Property Strategy	Property Development Process
Channel & Sales Management	New Venture Creation	Corporate Financial Strategy	Management of Facilities	Construction Planning & Control
Marketing Communications/ Consumer Behaviour	Financing Enterprise Development	Financial Markets & Instruments	Property Finance	Property Finance

(3) Major Group Company Project
The project encapsulates the professionalisation of the MBA qualification as it provides students with an opportunity to undertake a study on a "live" company as well as study case histories. Students will focus on a corporate project in a small consultancy group and will be supported by mentors. Projects may be conducted on either established companies or those in the start-up phase of development. The project will culminate in a written submission and an oral presentation.

Entry Requirements
Candidates should possess the following: either an honours degree at 2.2 grade or higher or an equivalent recognised professional qualification plus a minimum of 5 years' relevant experience. In exceptional cases, candidates who do not hold an honours degree or equivalent may be accepted. To be eligible to apply, such candidates should have at least 7 years' relevant experience at a senior management level. They will also be required to provide substantial written work which will be set by the Admissions Committee. Candidates may also be required to undertake the Graduate Management Admission Test (GMAT).

Duration
The programme is offered on a part-time basis over two academic years and commences in January each year. Formal lectures normally take place on Friday afternoon and evening and Saturday morning. Formal lectures comprise between ten and eleven hours per week. In addition there will be a number of introductory induction/orientation sessions and occasional evening workshops throughout the programme.

Course fee
€8,100 per year.
Please note the fee for year 2 is likely to increase with inflation. Participants will also be required to purchase core text books for each subject.

Award
Successful participants are awarded one of the following degrees:
MBA International Marketing
MBA Entrepreneurship
MBA Facilities Management
MBA Construction Project Management
MBA Accounting and Finance

Examinations
Assessment will be based on a combination of written examinations and a range of other methods including case studies, reports, projects and presentations. The programme places a strong emphasis on group assessments and presentations.

How to Apply/Enrol
For an informal discussion prior to submitting an application please feel free to contact the Programme Director. Further information including application forms available from our website or see contact details below.

Further information
Phil Hanlon,
MBA Programme Director
t +353 1 402 3128
e phil.hanlon@dit.ie

or
Ada Gully,
School Secretary
t +353 1 402 7016
f +353 1 402 3076
e ada.gully@dit.ie
w www.dit.ie/DIT/business/graduate/mba/index.html

Location
Graduate Business School,
Dublin Institute of Technology,
Aungier Street, Dublin 2.

DT337 Certificate in Personnel Practice (CIPD)

Description
This programme, which has been run successfully at DIT since 1985, is designed as an introduction to the practice of personnel management. It is particularly suitable for people who have or are about to be given specific personnel responsibilities within their organisation but whose professional qualification may at present be inappropriate. Completion of the programme leads to the award of Certificate in Personnel Practice from the Chartered Institute of Personnel and Development (CIPD) and Associate Membership of the CIPD. The Certificate in Personnel Practice is intended to:

- develop the skills needed in personnel work
- serve as an introduction to the personnel department's work
- provide an awareness of:
  (i) the context of personnel functions
  (ii) the key issues that impact on personnel issues
- provide a platform for studies in personnel.

The programme aims to equip students with a wide range of basic skills appropriate to the practice of personnel management. It provides an introduction to personnel management, its role within organisations, and identifies the main practical constraints and opportunities. The emphasis is on group work. Case studies and simulation exercises are frequently used to ensure that the practicalities of personnel work are emphasised.

In summary, the programme is designed around students being able to:
(i) demonstrate an understanding of concepts and principles relevant to the practice of personnel management and (ii) demonstrate an ability to apply key learning outcomes from the programme in day-to-day personnel activities.

Content
The programme is delivered through 6 subject areas:
1. Human Resource Plans and Organisational Content
2. Recruitment and Selection
3. Training and Development
4. Performance Management
5. Employee Legislation
6. Industrial Relations

Students are also required to undertake a work-based project and participate in three Skills Development Seminar Days.

Entry Requirements
The normal entry requirement is a Leaving Certificate with a minimum of five passes at grade D or higher (ordinary level).

Duration
The programme takes place over one academic year and normally commences in the third week of September.
Attendance at three one-day skills development seminars is also required. Classes are held on Monday and Tuesday from 6.00pm to 9.00pm. Timetables and modules are subject to change.

How to Apply/Enrol
Completed application forms should be returned to the Secretary below by August 26th, 2005. As the number of places is limited, candidates may be short-listed on the basis of information supplied on the application form. Late applications may be considered should vacancies remain.
Candidates will be notified of the outcome or of any short-listing procedures.
Applications forms are available from the School of Management Studies at the contact details outlined below.

Programme Fee (see page 8)
€830. In addition students are required to pay membership fees to the Chartered Institute of Personnel and Development in order to be eligible for the award. These fees are not included in the DIT fee.

Examinations
Examinations are held annually in May/June.

Award
Successful students receive a Certificate in Personnel Practice from the Chartered Institute of Personnel and Development. The programme leads to the Associate Membership of the Chartered Institute of Personnel and Development.
In order to receive this award it is a requirement that all students become members of the Chartered Institute of Personnel and Development. These fees are payable directly by the student to the Chartered Institute of Personnel and Development.

Career Opportunities
This Certificate provides a good basis for developing career prospects in the personnel and human resource management fields. A suitable follow-on programme is the BSc Human Resource Management.

Further Information
Should you require an application form for the Certificate in Personnel Practice please contact:
Susan Scott,
School of Management Studies,
DIT Aungier Street, Dublin 2
t +353 1 402 3031
e susan.scott@dit.ie
w www.dit.ie/DIT/business/management/

Should you require further information on the Certificate in Personnel Practice or the BSc Human Resource Management please contact:
Paul O'Reilly,
Head of Department of Management
t +353 1 402 3162
e paul.oreilly@dit.ie

Location
DIT Aungier Street.

DT339 Certificate, Advanced Certificate and Diploma in Purchasing and Materials Management

Description
Materials Management is a discipline which integrates inventory and production control, purchasing, storage and distribution. This programme, accredited by the Irish Institute of Purchasing and Materials Management, which was founded in 1971, is the only complete training for a career in this field.

Content
The programme provides a general education in business studies and in-depth consideration of purchasing and materials management. The programme seeks to introduce students to theories and methods which are valuable in interpreting business situations.

- Certificate Part 1:
  Materials Management – Stores Inventory and Transport, Principles of Purchasing, Business Management, Economics.
- Advanced Certificate Part 2: Purchasing and Supply Management (Operations), Purchasing and Supply Management (Strategy), Financial Management, Statistical Method.
- Research Assignment.
- Diploma Part 3: Marketing, Business Law, Research Assignment or Case Study, Materials Operations and Production Management or Advanced Logistics and Supply Chain Management.
  The programme subjects and timetable may be subject to change.

Entry Requirements
Applicants should have five passes in the Leaving Certificate, including English and Mathematics or its equivalent. Mature students with relevant employment experience are welcome to apply. Intending students should contact the Institute to ensure that they meet the entry requirements before enrolling. The decision rests with the Irish Institute of Purchasing and Materials Management.

Duration
The complete programme is offered in three parts: a Certificate in Purchasing and Materials Management, an Advanced Certificate in Purchasing and Materials Management, and a Diploma in Purchasing and Materials Management. During the final year, students submit a project. Subjects are normally taken at the rate of four per year.

- Certificate - Part 1 Classes are held on Monday and Wednesday from 6.30 - 9.30 pm.
- Advanced Certificate - Part 2 Classes are held on Monday and Wednesday from 6.30 - 9.30 pm.
- Diploma - Part 3 Classes are held on Monday and Wednesday from 6.30 - 9.30 pm.
  The programme timetables may be subject to change.

How to Apply/Enrol
Enrolment will take place in DIT Aungier Street on Tuesday 6th September 2005. Late applications may be considered should vacancies still remain.

Programme Fee (See page 8)
€726 Certificate/Advanced Certificate.
€643 Diploma.
In addition, you will be required to pay fees to the Institute of Purchasing and Materials Management.

Examinations
Examinations are held in May/June. Students must present themselves for examination at least every two years, up to a maximum of eight years, unless the period is further extended at the discretion of the Education Committee of the Irish Institute of Purchasing and Materials Management. Holders of third level qualifications may be granted exemptions on a subject-for-subject basis. Exemptions are not granted for experience or seniority of position held. Applications for exemptions at any stage of the programme should be made on first registration. An exemption is equivalent to a pass only.

Award
Students are awarded the **Certificate in Purchasing and Materials Management** on successful completion of Part I; the **Advanced Certificate in Purchasing and Materials Management** on successful completion of Part II; and the **Diploma in Purchasing and Materials Management** on successful completion of Part III.
The Irish Institute of Purchasing and Materials Management is a member of the International Federation of Purchasing and Materials Management. Further information on the objectives, activities, examinations and regulations of the Institute is available from:
The Education Secretary,
The Irish Institute of Purchasing and Materials Management,
5 Belvedere Place, Dublin 1.
t +353 1 855 9257/8
f +353 1 855 9259

Career Opportunities
The programmes provide a solid grounding in the subject areas necessary to facilitate career development in purchasing and materials management.

Further Information
The Secretary,
Department of Continuing Professional Education.
t +353 1 402 3031
e susan.scott@dit.ie

Location
DIT Aungier Street.

DT342 Retail Management

Description
Retailing and wholesaling are vibrant and significant sectors of the Irish economy providing employment for 15% of the workforce. The distributive industry in Ireland has seen dramatic change in recent years. Technological change, internationalisation of retailing and consumer sophistication now demand retailers to deliver the highest levels of professionalism. This programme has been developed to encompass new management knowledge and methods of effective retailing. On completion of the programme the participants will have an advanced knowledge of the management aspects of their function, understand the principles of retail management, have acquired the techniques which can optimise their contribution to their firm, have developed the skills and confidence necessary for retail management.

Content
Retail Management; Marketing; Law; Financial Control; Information Technology; Merchandising; Case Studies; Human Resource Management; Economics; Total Customer Service.

Entry Requirements
Leaving Certificate or other relevant qualification. Maturity and/or experience also taken into consideration.

Duration
Two years. Attendance: Year 1 and Year 2 Monday and Wednesday 6.30 - 9.30 pm. The programme subjects and timetable may be subject to change.

How to Apply/Enrol
Students may enrol for the programme on Thursday 8th September, 2005, 6-8 pm. at DIT Aungier Street. Places on this programme are allocated in order of enrolment.

Programme Fee (See page 8)
€726 per year.

Examinations
May 2006.

Award
Certificate in Retail Management.
(Dublin Chamber of Commerce).

Career Opportunities
This programme will help further the career opportunities of all those in the retail and services sectors.

Further Information
Michael Quinn.
t +353 1 402 7058

Location
DIT Aungier Street.

M587 MSc in Strategic Management

(Full-time and Part-time)

Description

The MSc in Strategic Management is designed to bring business executives into contact with the work of outstanding contemporary thinkers and practitioners. The programme places a strong emphasis on integrating in-depth analysis and critique of strategic options with practical application in a fast-changing business environment. Participants are exposed to a range of theoretical frameworks and scenarios designed to support strategic solutions in the new economic order. During the two years of part-time participation in lectures, business simulations, seminars and workshops, key topics such as strategy, new e-business models, organisational design, analytical processes and research methods are examined in depth.

Programme Outline

Semester One

Students study two core subjects:

- Strategic Management
- E-Business Strategy.

Semester Two

Students study one core subject:

- Organisational Design and Development Theory. They also study their choice of one area (subject to demand) from an options list which includes:
- Marketing Theory
- European Business
- Technology Management
- Strategic Operations Management
- Comparative Human Resource Management.

Semester Three

Students study two core subjects:

- Research Methods
- Corporate Financial Strategy.

Semester Four

Students study one core subject:

- Management Science.

They also study their choice of one area (subject to demand) from an options list which includes:

- Consumption, Markets and Culture
- Project Management
- Sustainable Development
- E-Marketing
- Corporate Communications

Semester Five

Students complete a research dissertation.

Entry Requirements

Graduates of Degree programmes in business, economics (or an undergraduate programme where business subjects account for at least 50% of the subjects) who have achieved an honours grade (2.2 or higher) are eligible to apply. Applications from candidates who have an equivalent qualification at honours level (for example, ACCA or other professional qualifications) will also be considered.

Duration

The programme is delivered over five 15-week semesters with a total duration of one academic and one calendar year. Each semester consists of a total of 15 weeks including teaching, self-directed study and examinations. This programme is also available over one year, full time.

Career Opportunities

The programme enhances the competencies - strategy, leadership and path finding - which equip participants for senior management roles. The MSc in Strategic Management prepares business graduates for a career in management with the specific aim of accelerating their progression to senior management in the private commercial sector, in the public sector, in consultancy and in various advisory and research roles.

Programme Fee (See page 8)

€2,800 per year.

How to Apply/Enrol

For application details and form, see contact details below.

Award

MSc in Strategic Management of Dublin Institute of Technology

Further Information

Mr. Tom Fennell
Faculty of Business
DIT Aungier Street, Dublin 2.
t + 353 1 402 7087
f + 353 1 402 3076
e tom.fennell@dit.ie
or
Office of Graduate Studies & Research,
DIT Fitzwilliam House,
30 Upper Pembroke Street, Dublin 2
t +353 1 402 3434
e postgraduate@dit.ie

Location

DIT Aungier Street.

DT338 Certificate in Supervisory Management (IMI)

Description
This programme is designed to prepare students for the Certificate in Supervisory Management examinations of the Irish Management Institute. It is particularly suitable for those who work or expect to work at supervisory or management level in an industrial, commercial or service organisation. The programme provides an excellent introduction to management education and enables supervisors and front line managers to obtain increased benefits from other training opportunities which may be provided for them.

Content
Students study a wide range of business and management subjects.

- Part 1: Management Techniques 1, Practical Communication, Management Theory and Practice, Psychology and Work.
- Part 2: Business Environment, Management Techniques 2, Personnel Management.

Entry Requirements
There are no formal educational requirements specified for students entering the programme. However, students should be in full-time employment with three years work experience.

Duration
This programme is offered in two parts.

- Part 1: Classes are held on Tuesday from 6 - 10 pm.
- Part 2: Classes are held on Monday from 6 - 10 pm.

The programme subjects and timetable may be subject to change.

How to Apply/Enrol
Enrolment will take place in DIT Aungier Street on Monday, 5th September 2005, 6 - 8 pm. Late applications may be considered should vacancies still remain.

Programme Fee (See page 8)
€726 per year. In addition, students are required to pay registration and examination fees to the IMI.

Examinations
Examinations are held annually in April/May.

Award
Successful students are awarded the Irish Management Institute (IMI) Certificate in Supervisory Management. For further information on the syllabus, examination regulations, registration requirements, contact:
Fiona McLoughlin,
Programme Administrator,
Irish Management Institute, Sandford Road, Dublin 16.
t +353 1 207 8487
f +353 1 295 5150
e cism@imi.ie

Career Opportunities
The programme provides a formal qualification for front-line managers and supervisors which is being required by more and more employers.

Further Information
The Secretary,
Department of Continuing Professional Education.
t +353 1 402 3031
e susan.scott@dit.ie

Location
DIT Aungier Street.

FACULTY OF ENGINEERING

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DT057 Flight Operations Officer (Dispatcher) Programme

Description
To provide instruction for flight operations officers in all operational aspects related to the preparation for commercial flights and the monitoring of all flights from a safety and efficiency viewpoint.

Content
Year 1
Aviation Law
Weight and Balance
Navigation
Air Traffic Services
Meteorology

Year 2
Carriage of Dangerous Goods
Aircraft Technical General
Aircraft/ Airport Security
Human Factors
Radio Operations

The programme follows the guidelines of ICAO DOC 7192AN/857 PART D-3.

Entry Requirements
Employment in the aviation industry.

Duration
Year one – two evenings per week (Tuesday and Thursday)
Year two - one evening per week (Thursday)

How to Apply/Enrol
Application should be made to the Secretary, Department of Transport Engineering (Room 119 DIT Bolton Street) on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
Year 1 €1,012.
Year 2 €800.

Examinations
In-house examinations.

Career Opportunities
Progression in the operations sector of the aviation industry.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932
e aidan.rooney@dit.ie

Location
Venue close to Dublin Airport.

DT058 Aeronautical Maintenance Engineers' Type Programmes

DT058C 'A' License – B737
DT058D 'A' License – B747
DT058G 'C' License – P&W JT8D
DT058H 'C' License – P&W JT9D
DT058N 'X' License – Electrical
DT058R 'X' Licenses – Avionics
DT058S B737 CFM-56-3 Engine
DT058T B737-56-3 200/300 Differences Programme
DT058U B737 400/500 Differences Programme
DT058V B767-300 Airframe
The above programmes will be changed to conform with JAR 66.

Description
To provide students with the theory requirements for type rating in accordance with air navigation personnel licensing order or approvals under EASA PART 145.

Content
Description and operation, testing/inspection, repair procedures, service bulletins, ADs.

Entry Requirements
Basic aeronautical engineering certificate in appropriate category. Entries will only be accepted on receipt of the completed appropriate DIT form.

Duration
One year – two evenings per week, except DT058S (B737 CFM-56-3 engine) which is one evening per week.

How to Apply/Enrol
Application should be made to the Department of Transport Engineering on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€726 per year except DT058S for which the fee is €518.

Career Opportunities
Progression in the aviation industry.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932
e aidan.rooney@dit.ie

Location
Dublin Airport.

DT059 Jet Engine Overhaul Procedures

Description
To provide instruction in jet engine design and overhaul procedures.

Content
Jet engine overhaul procedures, the role of management, marketing technology, disassembly to test cell procedures and the complete planning operation.

Entry Requirements
Employment in the appropriate sector of the aeronautical industry. Entries will only be accepted on receipt of the completed appropriate DIT form.

Duration
One evening per week (Tuesday).

How to Apply/Enrol
Application should be made to the Department of Transport Engineering on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€550.

Examinations
In-house examination.

Career Opportunities
Progression within the industry.

Further Information
The Secretary, Department of Transport Engineering.
t +353 1 402 3605/3932
e aidan.rooney@dit.ie

Location
DIT Bolton Street.

DT061 Basic Aeronautical Knowledge

DT061A Mathematics
DT061B Physics
DT061C Electrical Fundamentals
DT061D Electronic Fundamentals
DT061E Digital Techniques/Electronic Instrument Systems
DT061F Materials and Hardware
DT061G Maintenance Practices
DT061H Basic Aerodynamics
DT061I Human Factors
DT061J Aviation Legislation
DT061K Aeroplane Aerodynamics, Structures and Systems
DT061L Helicopter Aerodynamics, Structures and Systems
DT061M Aircraft Aerodynamics, Structures and Systems
DT061N Propulsion
DT061O Piston Engine
DT061P Propeller

Description
To prepare students for EASA PART 66 , B1, B2, knowledge examinations.

Content
This programme follows the EASA PART 66 Basic Knowledge syllabus.

Examinations
End of module EASA PART 147 examination for EASA PART 66 Category B1, B2.

Entry Requirements
Not less than three years experience in the aeronautical engineering industry. Entries will only be accepted on receipt of the completed DIT application form.

Duration
This is a modular suite of programmes.
The duration of modules will vary according to syllabus content.

How to Apply/Enrol
Application should be made to the Department of Transport Engineering on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€518 – one evening per week modules.
€726 – two evenings per week modules.

Career Opportunities
Progression to JAR 66 Maintenance Basic License.

Further Information
The Secretary,
Transport Engineering Department
t +353 1 402 3605/3932
e aidan.rooney@dit.ie

DT063 Private Aircraft Pilots' License Theory

Description
To provide instruction for personnel wishing to take the IAA/EASA Private Pilots' License written examinations.

Content
Meteorology, navigation, air legislation, theory of flight, aircraft limitations and human factors.

Duration
One evening per week (Tuesday) from September to December. Two evenings per week (Tuesday and Thursday) from January to April.

How to Apply/Enrol
Application should be made to the Department of Transport Engineering on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€778 which includes five sets of programme notes.

Examinations
In-house examinations.

Award
Complete preparation for IAA/EASA written examinations.

Career Opportunities
Progression to private aircraft pilots' license.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932

Location
DIT Bolton Street.

DT060 Basic Aeronautical Knowledge Category A

DT060A	Mathematics Module 1
DT060B	Physics Module 2
DT060C	Electrical Fundamentals Module 3
DT060D	Electronic Fundamentals Module 4
DT060E	Digital Techniques/Electronic Instrument Systems Module 5
DT060F	Materials and Hardware Module 6
DT060G	Maintenance Practices Module 7
DT060H	Basic Aerodynamics Module 8
DT060J	Human Factors Module 9
DT060K	Aviation Legislation Module 10
DT060L	Aeroplane Aerodynamics, Structure & Systems Module 11
DT060M	Helicopter Aerodynamics, Structure & Systems Module 12
DT060N	Gas Turbine Engine Module 13
DT060P	Piston Engine Module 14
DT060Q	Propeller Module 17

Description
To prepare students for EASA PART 66 Category A Knowledge.

Examinations
End of Module EASA PART 147 Examination for EASA PART 66 Category A.

Entry Requirements
Not less than three years experience in the aeronautical engineering industry. Entries will only be accepted on receipt of the completed DIT application form.

Duration
This is a modular suite of programmes.
The duration of modules will vary according to syllabus content.

How to Apply/Enrol
Application should be made to the Department of Transport Engineering on the enclosed form before September 9th 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€518 – one evening per week modules.
€726 – two evenings per week modules.

Career Opportunities
Progression to EASA PART 66 Maintenance Basic License.

Further Information
The Secretary,
Transport Engineering Department
t +353 1 402 3605/3932
e aidan.rooney@dit.ie

DT068 Technological Certificate in Automobile Engineering

Description
To prepare students for the Technological Certificate examinations of the Department of Education and Science.

Content
Elementary Stage: Automobile electricity/electronics, motor car engineering, engineering science.

Intermediate Stage: Automobile electricity/electronics, motor car engineering, engineering science.

Advanced Stage: Automobile electricity/electronics, heat engines and applied mechanics, motor car engineering, garage organisation and management.

Entry Requirements
Elementary Stage: Irish Leaving Certificate *or* employment in the motor industry.

Intermediate Stage: Elementary Technicians Certificate or National Craft Certificate.

Advanced Stage: Intermediate Technicians Certificate.
Please note that entry to this programme is by interview only in September.

Duration
Elementary Stage: One year – three evenings per week.
Intermediate Stage: One year – three evenings per week.
Advanced Stage: One year – four evenings per week.

How to Apply/Enrol
Application should be made to the Department of Transport Engineering on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€726 per stage.

Examinations
Technological Certificate examinations.

Award
Technological Certificate – Department of Education and Science.

Career Opportunities
Automobile technical advisor, training instructor, workshop supervisor, automobile consultant.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932
e edward.nolan@dit.ie

Location
DIT Bolton Street.

DT033 Building Services Engineering - Higher Certificate

Description
To prepare students for the above Certificate award and to meet the academic requirements for Engineering Technician status with the Institution of Engineers of Ireland and the Chartered Institute of Building Services Engineers.

Content
First Year
Courses will include:
Technical Mathematics
Engineering Science
Architectural Technology
& Services
Engineering Graphics 1

Second Year
Courses will include:
Thermal & Fluid Energy
Piped Systems Technology
Electrical Power Distribution & Lighting
Engineering Graphics 2

Third Year
Courses will include:
Cooling Systems Technology
Heating Systems Technology
Construction Management
Projects

Entry Requirements
Irish Leaving Certificate or equivalent with passes in Mathematics and English or Irish and three other subjects. Students would usually be employed in the building services industry before commencing the programme.

Duration
The programme is offered over three years.

How to Apply/Enrol
Enrolment will be considered on receipt of completed application form by 2nd September 2005 or by attendance at DIT Bolton St. between 5th September and 15th September 2005 (Monday to Thursday 6.30 – 8.30 p.m.)

Programme Fee (See page 8)
€880.

Examinations
Courses will be examined by a terminal examination at the end of each session or by continuous assessment throughout the session.

Award
Higher Certificate in Building Services Engineering of Dublin Institute of Technology

Career Opportunities
Employment as a technician in the building services or refrigeration industries.

Further Information
The Secretary,
School of Civil & Building Services Engineering
t +353 1 402 3635

Location
DIT Bolton Street.

DT032 Higher Certificate & Bachelor of Engineering Technology in Civil Engineering

Description
To prepare students for a Technician Higher Certificate/ Bachelor of Engineering Technology in Civil Engineering and to meet the academic requirements for technician/technician engineer status with the Institution of Engineers of Ireland.

Content
Subjects offered for the Higher Certificate will include: Computing, Engineering Science, Drawing, Mathematics, Mechanics, Surveying, Work-based Learning. Options offered for the Bachelor of Engineering Technology will be in Structural and Environmental Engineering.

Entry Requirements
Irish Leaving Certificate or equivalent with passes in Mathematics, a science subject (preferably Physics), English/Irish and two other subjects, or a Senior Trade Certificate with suitable endorsement subjects. Students are expected to be already suitably employed in Civil Engineering.

Duration
3 years to Higher Certificate stage, 5 years to Bachelor of Engineering Technology stage. Students normally attend on one evening and one full day per week.

How to Apply/Enrol
Enrolment will be considered on receipt of a completed application form by 2nd September 2005 or by attendance at the enrolment in September. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday)

Programme Fee (See page 8)
€880 per year including DIT examination fee.
(€676 for fourth and fifth years)

Examinations
Examinations in each subject at the end of each session/year.

Award
Higher Certificate/Bachelor of Engineering Technology in Civil Engineering of Dublin Institute of Technology.

Career Opportunities
Employment as a technician in Structural or Environmental Engineering.

Further Information
The Secretary,
School of Civil & Building Services Engineering.
t +353 1 402 3635

Location
DIT Bolton Street.

DT076 Introduction to Computer – Aided Draughting

Description
The programme 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 per week for 10 weeks (evenings).

How to Apply/Enrol
Application should be made on the enclosed form before 2nd September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€340.

Examinations
Assessments will be conducted on a regular basis during the programme.

Award
Successful participants will receive a Certificate of programme 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
The Secretary,
Department of Electrical Services Engineering
t +353 1 402 4617.

Location
DIT Kevin Street.

DT038 Computer Applications

The Faculty of Engineering offers a three-year Higher Certificate programme in Technology on a part-time basis. This programme is aimed at students who wish to obtain a formal qualification in computing technology. The programmes ensure sound academic principles together with practical applications. The programme is split into two distinct specialities:
Computer Programming (DT036)
Computer Applications (DT038)

Description
This programme covers the fundamental principles of computer hardware, software and programming, principles of information systems and quantitative methods.

Content
Year 1
Computer Systems: Computer architecture, software systems, fundamentals of computer systems, computer applications.

Computer Programming: Introduction to programming, program design, language fundamentals, coding and compilation, project work.

Information Systems: Information management, data presentation, report generation, word processing, databases, spreadsheets.

Quantitative Methods: Introduction to statistics, mathematical applications, problem solving, problem definition.

Year 2
Computer Applications: Advanced Spreadsheet, database, Desktop Publishing and e-business applications.

Programming and Program Design: Design and Development.

Operating Systems: Operating System design, file systems, system management, security.

Networks and Communications: Network configuration, network software and hardware, network operating systems, protocols.

Year 3
Internet: Local area networks, World Wide Web, HTML editing tools, Web servers.

Graphics Systems: Computer graphics basics, bitmap files, image processing, large format printing.

Data Management: Relational database technology, database technology, SQL, report generation.

Data Analysis: Functions and formulae solving complex problems, creating a custom user interface, working with other applications - OLE, DDE.

Entry Requirements
Year 1
(a) The Leaving Certificate or equivalent in at least five subjects including Mathematics and Irish or English. Copies of certificates must be enclosed with the application form.
(b) At least two years post-Leaving Certificate experience.
(c) Students must have access to a Windows-based personal computer or equivalent. Students should enclose supporting documentation regarding the type of computer and access available with the application form.
(d) Completed application form.
Year 2
(a) Completion of DT038 Year 1 or equivalent.
(b) Students must have access to a Windows-based personal computer or equivalent. Students should enclose supporting documentation regarding the type of computer and access available with the application form.
(c) Completed application form.
(d) Exemption from first year subjects will only be given on the basis of equivalent certifiable attainment in the particular subjects for which exemption is sought.
- Note 1 Consideration will only be given to fully completed application forms which include the required documentation. Applicants may be called for interview.

Year 3
(a) Completion of DT038 Year 2 or equivalent.
(b) Students must have access to a Windows based personal computer or equivalent. Students should enclose supporting documentation regarding the type of computer and access available with the application form.
(c) Completed application form.
(d) Exemption from second year subjects will only be given on the basis of equivalent certifiable attainment in the particular subjects for which exemption is sought.
(e) Exemptions are not available in the third year.
- Note 1 Consideration will only be given to fully completed application forms which include the required documentation. Applicants may be called for interview.

Duration
Three years.

Year 1
Students are required to attend two nights per week for the academic year.

Timetable

Day	Time	Room
Monday	6.30 - 9.45 pm	390
Wednesday	6.30 - 9.45 pm	380

Year 2
Students are required to attend two nights per week for the academic year.

Timetable

Day	Time	Room
Tuesday	6.30 - 9.45 pm	390
Thursday	6.30 - 9.45 pm	390

Year 3
Students are required to attend two nights per week for the academic year.

Timetable

Day	Time	Room
Monday	6.30 - 9.45 pm	390
Thursday	6.30 - 9.45 pm	390

How to Apply/Enrol
Application should be made on the enclosed form before 5th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€880.

Examinations
Formal examinations will be held in May/June each year. Students will be required to complete project work and continuous assessment during the academic year. Supplemental examinations will be held in September for those students eligible to repeat examinations.

Award
Higher Certificate in Technology in Computer Applications of Dublin Institute of Technology.

Further Information
The Secretary
School of Civil & Building Services Engineering.
t +353 1 402 4039
f +353 1 402 3999

Location
DIT Bolton Street.

DT074 Computer Engineering - Honours Degree

Description
Computer engineers are often found in the vital research, development and design departments of computer and software companies and related telecommunications companies. They are ideally placed to lead the development of many of the innovations needed for the evolution of the internet and mobile communications industries. Computer engineers are also key personnel in the efficient operation of health, entertainment, retail, financial, and aviation organisations. The programme combines elements of electronic, software, hardware and communications engineering to best fit the rapid convergence occuring in the ICT sector. It includes a significant amount of practical and laboratory work together with lectures and tutorials. A strong emphasis is placed on developing the practical design/development skills and in-depth knowledge required by hi-tech companies in the sector.

The programme is specifically designed for technicians who wish to enhance their existing 'Diploma/Ordinary Degree level' qualification to an Honours Degree in just three years part-time. Students undertake the same courses as the third and fourth year students on the equivalent full-time programme (DT081).

Content
First Year
First term: Mathematics, Digital Signal Processing, Digital Communications, Computer Architecture.
Second term: Computer Networks, Electromagnetic Field Theory, Software Engineering, Business Finance.

Second and Third Year
Communications Protocols, Computer Architecture, Computational Methods, Advanced Signal Processing, Computer Networks, Software Engineering, Wireless Communications Systems, Real-Time Operating Systems, Distributed Systems, Network Security & Encryption, Project, Elective, Management and Business Law.
Note: All of the technical subjects in the three years of the programme include a range of assessed laboratory activities, designed to enhance the knowledge and skills of the students.

Entry Requirements
Prospective students should hold a National Diploma/ Ordinary Degree (or a qualification that the Institute may deem equivalent) in Electronics or a related discipline, with a Distinction. Candidates who hold an Upper Merit will be considered on an individual basis.

Duration
Three years part-time. Lectures and laboratories run from late September to May of each year. **Some of the lecture courses will be available in a distance learning format.** Students are required to attend college three evenings per week from 6.00 to 9.30pm.

How to Apply/Enrol
Application forms are available from the School website at www.electronics.dit.ie or from the Registrations Office in DIT Kevin Street at (01) 402 4597 or from the contact names below. **It is important to enclose details of your existing qualification(s) and cv's with your application.**

Enrolment will be considered on receipt of a completed application form by the 2nd September 2005.
It is anticipated that part-time enrolments will take place in early September 2005 (Monday to Thursday – 6.30 - 8.30 pm). To complete enrolments candidates are required to attend at DIT Kevin Street in person, provide proof of examination results and supply 3 passport-type photographs.

Programme Fee (See page 8)
The fee per annum is €1,160.

Award
Bachelor of Engineering (Computer Engineering) with honours classification of Dublin Institute of Technology. This programme is accredited by the Institution of Engineers of Ireland as satisfying the educational standards required for registration of Chartered Engineers.

Career Opportunities
Graduates will be well placed to pursue a highly satisfying, well-paid career taking up employment in areas such as computer engineering, software engineering, network engineering, embedded computer systems and mobile communications engineering.

Further Information
Dr. Gerald Farrell
t +353 1 402 4577
e gerald farrell@dit.ie
or
Mr. John Dalton
t +353 1 402 4802
e jdalton@electronics.dit.ie
or
Deirdre Staunton
t +353 1 402 4665
e deirdre.staunton@dit.ie

Further information on the programme, including a list of frequently asked questions is available on the web site for the School of Electronics and Communications Engineering at: www.electronics.dit.ie

Location
School of Electronics and Communications Engineering, DIT Kevin St.

DT036 Computer Programming

The Faculty of Engineering offers a three-year programme in Technology on a part-time basis. This programme is aimed at students who wish to obtain a formal qualification in computing technology. The programme ensures sound academic principles together with practical applications. The programme is split into two distinct specialities:
Computer Programming (DT036)
Computer Applications (DT038)

Description
This programme covers the fundamental principles of computer hardware, software and programming, principles of information systems and quantitative methods.

Content
Year 1
Computer Systems: Computer architecture, software systems, fundamentals of computer systems, computer applications.

Computer Programming: Introduction to programming, program design, language fundamentals, coding and compilation, project work.

Information Systems: Information management, data presentation, report generation, word processing, databases, spreadsheets.

Quantitative Methods: Introduction to statistics, mathematical applications, problem solving, problem definition.

Year 2
Computer Applications: Advanced Spreadsheet, Database, Desktop Publishing and e-business applications.

Programming and Program Design: Design and Development.

Operating Systems: Operating System Design, File Systems, System Management, Security.

Networks and Communications: Network Configuration, Network Software and Hardware, Network Operating Systems, Protocols.

Year 3
Software Development 2: Software engineering, graphical user interfaces, software life cycle, project work.

Program Design 2: Coding techniques, documentation, C language.

Object Oriented Systems: Object oriented design, object oriented software, object oriented programming, visual basic.

Graphical User Interfaces: Requirement and systems specifications, interface design and testing, project management.

Entry Requirements
Year 1
(a) The Leaving Certificate or equivalent in at least five subjects including Mathematics and Irish or English. Copies of certificates must be enclosed with the application form.
(b) At least two years post-Leaving Certificate experience.
(c) Students must have access to a Windows-based personal computer or equivalent. Students should enclose supporting documentation regarding the type of computer and access available with the application form.
(d) Completed application form.

- Note 1: Consideration will only be given to fully completed application forms which include the required documentation. Applicants may be called for interview.
- Note 2: There is a limited number of places and selection will be on the following basis: applications received before the closing date, Leaving Certificate or equivalent, relevant experience. Applicants should include the necessary information with the application form.
- Note 3: A limited number of places will be reserved for applicants who do not have a Leaving Certificate but who have considerable work experience.

Year 2
(a) Completion of DT036 Year 1 or equivalent.
(b) Students must have access to a Windows-based personal computer or equivalent. Students should enclose supporting documentation regarding the type of computer and access available with the application form.
(c) Completed application form.
(d) Exemption from first year subjects will only be given on the basis of equivalent certifiable attainment in the particular subjects for which exemption is sought.

- Note 1 Consideration will only be given to fully completed application forms which include the required documentation. Applicants may be called for interview.

Year 3
(a) Completion of DT036 Year 2 or equivalent.
(b) Students must have access to a Windows-based personal computer or equivalent. Students should enclose supporting documentation regarding the type of computer and access available with the application form.
(c) Completed application form.
(d) Exemption from second year subjects will only be given on the basis of equivalent certifiable attainment in the particular subjects for which exemption is sought.
(e) Exemptions are not available in the third year.

- Note 1: Consideration will only be given to fully completed application forms which include the required documentation. Applicants may be called for interview.

Duration
Three years.

Year 1
Students are required to attend two nights per week for the academic year.

Timetable

Day	Time	Room
Monday	6.30 - 9.45 pm	380
Wednesday	6.30 - 9.45 pm	380

Year 2
Students are required to attend two nights per week for the academic year.

Timetable

Day	Time	Room
Tuesday	6.30 - 9.45 pm	380
Thursday	6.30 - 9.45 pm	390

Year 3
Students are required to attend two nights per week for the academic year.

Timetable

Day	Time	Room
Monday	6.30 - 9.45 pm	390
Tuesday	6.30 - 9.45 pm	390

How to Apply/Enrol
Application should be made on the enclosed form before 5th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€880.

Examinations
Formal examinations will be held in May/June each year. Students will be required to complete project work and continuous assessment during the academic year. Supplementary examinations will be held in September for those students eligible to repeat examinations.

Award
Higher Certificate in Technology in Computer Programming of Dublin Institute of Technology.

Further Information
The Secretary,
School of Civil & Building Services Engineering.
t +353 1 402 4039
f +353 1 402 3999

Location
DIT Bolton Street.

B773 MSc in Applied Computing for Technologists

Description
This programme is a two-year part-time programme leading to a Master of Science Degree. It is specifically aimed at candidates holding a professional qualification or equivalent in technical, numerate disciplines. The programme is aimed at providing graduates with a high level of applied computing skills. The successful graduates will be able to apply and develop these technologies successfully in their own professional areas.

Programme Outline
There are six taught modules:
1. Operating Systems and Networks (10 Credits)
2. Software Engineering (10 Credits)
3. Information Systems (10 Credits)
4. Numerical Methods (10 Credits)
5. Computer Aided Design (10 Credits)
6. Signal and Image Processing (10 Credits)

Students will be required to complete a research dissertation in addition to the six taught modules for the MSc award (30 Credits).

Examinations
There is a formal examination and two assignments in each taught module. The dissertation will be assessed on the research work and the presentation of the thesis.

Duration
Two years and a minimum of one academic term for the Master of Science Award.
Commencement: The programme will start in the first week of October.

Timetable
Students will normally be required to attend for 9 hours per week for formal classes. The first year programme will be delivered on Tuesday and Thursday evenings. The second year of the programme will be delivered on Monday and Wednesday evenings. Students should note that they will be required to attend on other occasions at other times. Students are advised that they should have access to computer facilities outside of DIT.

Entry Requirements
A minimum Second Class Honours Degree in engineering or a numerate technical discipline.

Offer Date
Formal offers for this programme will be made in September. Late applications will only be accepted in exceptional circumstances and subject to the availability of places.

Programme Fee (See page 8)
€350 per module
€750 Thesis
€100 Capitation

Award
Two years and a minimum of one academic term for the Master of Science award. Graduates are eligible for the award of Master of Science in Applied Computing for Technologists of Dublin Institute of Technology.

Career Opportunities
This programme provides engineers and technologists with a strategic understanding of applied computing. It will equip the successful graduate for a career as a computing specialist in engineering, technology or the computing industry. The graduates of this programme have been particularly successful in gaining employment in the IT industry in Ireland.

How to Apply/Enrol
Application forms are available from:
Office of Graduate Studies and Research
Dublin Institute of Technology
Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2.
t +353 1 402 3434

Further Information
The Secretary,
School of Civil & Building Services Engineering,
DIT Bolton Street,
Dublin 1
t +353 1 402 3635
e barry.duignan@dit.ie

Location
DIT Bolton Street.

DT037 Bachelor of Technology in Computing

Description
The programme is modular and part-time, and can be completed on a flexible basis. Students carry out course work outside of the Institute and are therefore required to have access to suitable computer resources.The programme comprises six taught modules and a project. The taught modules are offered over three evenings per week. The duration of the programme depends on student progress. Students may take all six taught modules in a single academic year, or over a longer period of time. It is expected that the majority of students will undertake the programme over two years. Project proposals are processed in the second term of the year in which the students complete the taught programme. Each module is assessed by means of a written examination and course work assignments. Modules are delivered over one academic year.

Content
Each taught module is worth 8 ECTS credits. The project element is worth 12 credits.
The taught modules are as follows:

Computer Systems

Graphics and Multimedia

Software Engineering

Management

Intelligent Systems

Quantitative Methods

Computer Systems: IT Architectures - Centralised, client/server, web, e-commerce. Distributed Systems and Databases. Configuration of systems. IT Security. Configuring and maintaining security systems. Infrastructure management. Development, deployment and support of systems.

Graphics and Multimedia: Uses and applications of multimedia. Sound. Still and animated images. Content Creation and Distribution. Commercial, aesthetic and legal issues. Applications used in multimedia. Markup languages. Multimedia for any medium.

Software Engineering: Software engineering processes. Software life cycles. Software project management and costing. Object oriented analysis and design. UML. Java. Modern trends in software engineering.

Management: Overview of the legal, financial and human resource aspects of businesses. Financial analysis. Project evaluation and costing. Taxes. Grants.

Intelligent Systems: Overview of artificial intelligence. What is human intelligence? Machine intelligence. Reasoning. Knowledge representation. Searching. Features of expert systems. Examples of expert systems. Implementation using PROLOG.

Quantitative Methods: A range of mathematical tools to support the materials presented elsewhere in the programme. Set theory. Functions. Relations. Graphs and trees. Combinatorial analysis. Boolean algebra. Predicate Calculus.
Project: The project consists of the design, implementation and testing of an IT application. The topic or application is normally, but not necessarily, chosen from the student's working environment. The final deliverable should be a fully functional application which is useful in an industrial or commercial context.

Entry Requirements
Applicants must have a certificate-level qualification in information technology or equivalent. Applicants must have access to a Windows-based computer system outside of DIT. Applicants should enclose supporting documentation regarding the type of computer and the access available with their application form.

Duration
As the programme is modular in form the duration depends on the options chosen by the candidate. Normally, candidates opt to complete the programme over two calendar years. Each taught module is delivered over the entire academic year.

How to Apply/Enrol
Application should be made on the enclosed form before 5th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€177 per module.
€281 project fee.
€100 per annum capitation.

Examinations
Formal examinations will be held in May/June each year. Students will be required to complete project work and continuous assessment work during the academic year. Supplemental examinations will be held in September for those students eligible to repeat examinations.

Award
Bachelor of Technology in Computing, without classification, of Dublin Institute of Technology.

Further Information
The Secretary,
School of Civil & Building Services Engineering.
t +353 1 402 4039
f +353 1 402 3999

Location
DIT Bolton Street.

Timetable

Module	Day	Time	Room
Computer Systems	Monday	6.30-8.00 pm	135
Graphics & Multimedia	Monday	8.15-9.45 pm	135
Software Engineering	Tuesday	6.30-8.00 pm	135
Management	Tuesday	8.15-9.45 pm	135
Intelligent Systems	Wednesday	6.30-8.00 pm	135
Quantitative Methods	Wednesday	8.15-9.45 pm	135
Tutorials	Thursday	6.30-9.45 pm	varies

DT071 Electrical and Electronic Engineering Technicians' Programme

Description
An evening programme which prepares students for the City and Guilds International Programme 8030 (2000) examinations.

Content
Year 1: Mathematics, Applied Mechanics, Electrical and Electronic Engineering Principles, Engineering Graphics.
Year 2: Mathematics, Applied Mechanics, Electrical Engineering Principles, Electrical Power, Electronics.
Year 3: Advanced Electrical Technology, Electrical Power, Electronics, Microelectronic Circuits and Systems.

Entry Requirements
Prospective students should be employed in the electrical industry and 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
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm). To complete enrolments candidates are required to attend at DIT Kevin Street in person, provide proof of examination results and supply 3 passport-type photographs.

Programme Fee (See page 8)
€726.

Examinations
Electrical and Electronic Engineering programme 8030 (2000) of the City and Guilds International.

Year 1: Technician Certificate
(i) Engineering Fundamentals 1
(ii) Electrical and Electronic Applications.

Year 2: Technician Diploma
(i) Engineering Fundamentals 2,
(ii) Electronics and/or (iii) Power

Year 3: Advanced Technician Diploma
(i) Advanced Electrical Principles,
(ii) Distribution and Utilisation of Electrical Power and/or
(iii) Microelectronic Circuits and Systems.

Award
Full Technological Diploma (FTD) in Electrical and Electronic Engineering.

Career Opportunities
Successful students may be employed as technicians in the Electrical Engineering Industry.

Further Information
Mr. Michael Farrell,
School of Control Systems and Electrical Engineering.
t + 353 1 402 4874

Location
DIT Kevin Street.

DT073 Degree in Electrical and Electronic Engineering Part 2

Description
This is an evening programme with a flexible modular structure.

Content
The programme comprises six courses, four of which are mandatory, and an engineering project. The mandatory courses are (1) Business and Management Studies (2) Electronic and Computer Engineering (3) Mathematics (4) Signals, Systems and Circuits. Students must select two further options from a list which may include: Biomedical Engineering, Communications Engineering, Computer Engineering, Control Systems and Automation, Electrical Machines and Drives, Electrical Power Systems, Electrical Building Services and Facilities.

Entry Requirements
Applicants for this programme must have successfully completed:
(a) the Institute's Part 1 programme in Electrical Engineering, K234 or
(b) a relevant technician Diploma programme at Merit or Distinction level or
(c) a qualification which the Institute deems to be equivalent to either (a) or (b) above.

Duration
The minimum time to complete the lecture and laboratory programme is four years. Single subject certification is possible for those completing a single course.

How to Apply/Enrol
Selection is by interview only during the enrolment period. Part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm). Candidates are required to attend at DIT Kevin Street in person, provide proof of examination results and supply 3 passport-type photographs.

Programme Fee (See page 8)
€317 per module.
€317 for the engineering project.
€100 capitation fee.

Examinations
Examinations are held at the end of each year with supplemental examinations in the autumn.

Award
BE, with honours classification, of Dublin Institute of Technology. **This programme has been accredited by The Institution of Engineers of Ireland as satisfying the academic requirements for corporate membership of the Institution.**

Career Opportunities
Successful completion of this programme can lead to a wide range of career paths as a professional engineer in one of the many branches of the electrical, electronic or computer engineering industries. Companies employ engineers in many roles such as design, development, production and management and the present buoyancy in the industry has resulted in many interesting and rewarding opportunities.

Further Information
Dr. B. Hayes
t +353 1 402 4729

Location
DIT Kevin Street.

DT083 Electrical Services Engineering - Ordinary Degree

Description
This is a five-year part-time programme designed to prepare students for careers as Electrical Services Engineers. The programme has been designed in close consultation with the Electrical Services Industry. Students will become computer literate and will also develop expertise in the technical areas necessary to use software packages for electrical services design. The programme will provide a wide knowledge base, which will enable the student to specialise in different areas of interest such as the following: lighting design; emergency services design; data cabling; standby power systems; industrial automation; electrical distribution design; project management; building services and environmental control.

Content
First Year: Engineering Mathematics, Professional Development, Electrical Science/Laboratory, Electrical Services Theory, Industrial Automation.

Second year: Engineering Mathematics, Professional Development, Electrical Science, Electrical Services Design, Engineering Science, AutoCAD, Engineering Computer Applications.

Third year: Project Management, Electrical Services Plant, Electrical Services Project, Building Services, Industrial Automation, Data Services.

Fourth year: Engineering Mathematics, Electrical Services Design, Project Management, Industrial Automation, Data Services, Electrical Services Plant.

Fifth year: Building Services, Electrical Services Design, Electrical Services Project, Environmental Engineering.

Examinations
Examinations will be held in January and June and will be a combination of written examinations and continuous assessment.

Entry Requirements
Leaving Certificate with passes in five subjects at ordinary level, including Mathematics and English/Irish or an equivalent qualification. Applicants must be employed in the Electrical Services Industry. Exemption will be granted from year 1 to students undertaking electrical apprenticeship courses subject to certain criteria.

Duration
Five years. Attendance: three evenings per week for 28 weeks each year.

How to Apply/Enrol
Application should be made on the enclosed form before 5th September 2005. Late applications will be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€880 per year.
Note: This fee qualifies for tax exemption.

Award
Bachelor of Technology (Electrical Services Engineering) of Dublin Institute of Technology, with grades of Pass, Lower Merit, Upper Merit or Distinction.

Career Opportunities
Electrical Services Engineers enjoy a very varied, interesting and well-paid work environment. Graduates will be able to take up gainful employment in a diverse range of areas such as: Electrical Services Contracting, Electrical Services Design, Building Services Consultancy, Industrial Services, Engineering Systems Support for Manufacturing, Technical Sales and Environmental Control. The work invariably involves both office-based and site/location activity.

Further Information
The Secretary,
Department of Electrical Services Engineering.
t +353 1 402 4617.

Location
DIT Kevin Street.

DT078 Electrical Services Engineering Technician

Description
This is a three-year part-time programme designed to prepare students for careers as Electrical Services Engineering Technicians. The programme has been designed in close consultation with the Electrical Services Industry. Students will become computer literate and will also develop expertise in the technical areas necessary to use software packages for electrical design. The programme will provide a wide knowledge base, which will enable the student to specialise in different areas of interest. Subjects include the following: AutoCAD, Industrial Electronics & PLC control, Computer Applications, Project Management and Electrical Estimating, Electrical Services Design, Electrical Services Plant, Building Services. The final year includes a major project.

Content
Year 1: Electrical Science/Laboratory; Electrical Services Theory; Electronics/PLCs and Laboratory.
Year 2: Engineering Science and Mathematics; Electrical Science and Electrical Services Design; Engineering Computer Applications and Autocad.
Year 3: Building Services; Electrical Services Design; Electronics/PLCs; Electrical Services Plant; Project Management and Project.

Entry Requirements
Applicants must be employed in the Electrical Services Industry. Exemption will be granted from year 1 to students undertaking electrical apprenticeship programmes subject to certain criteria.

Duration
Each year consists of three evenings per week for 28 weeks.

How to Apply/Enrol
Application should be made on the enclosed form before 2nd September 2005. Late applications will be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€880 per year.
Note: This programme fee qualifies for tax exemption.

Examinations
These will be held in January and June and will be by a combination of written examinations and continuous assessment.

Award
Higher Certificate in Electrical Services Engineering of Dublin Institute of Technology.

Career Opportunities
Electrical Services Technicians enjoy a very varied, interesting and well-paid work environment. There are so many aspects in which you can develop an interest and subsequently specialise. These can include working in an electrical design office, for an electrical contractor, as engineering systems support in the manufacturing sector, perhaps in technical sales support, project management, or in the provision of industrial services. The work invariably involves both office based and site/location activity.

Further Information
The Secretary,
Department of Electrical Services Engineering,
t +353 1 402 4617

Location
DIT Kevin Street.

DT052 Electrical Systems

Description
Students will be trained on the safe operation, maintenance and repair of electrical systems and machines.

Content
Operating Characteristics of AC and DC Circuits and Plant, Factory Distribution Systems, Transformers, Protection Systems, Stepper Motors, AC Rotating Machines.

Entry Requirements
Acceptable industrial experience. Suitable for apprentices, craftspersons and craft- based technicians.

Duration
One year, two evenings per week – Mon and Tues (7 - 10 pm)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€750.

Examinations
One written paper and course work assessment.

Award
Record of Achievement in part-fulfilment of requirements for City and Guilds of London Institute (214 Part 2).

Career Opportunities
Progression in general maintenance.

Further Information
Department of Applied Technology
t +353 1 402 3844

Location
DIT Bolton Street.

DT053 NC/CNC Machine Setting and Operation

Description
To give a student the necessary skills to become competent in writing CNC programs and setting machines/tools/parts.

Content
Safety procedures, program preparation and input, work and tool preparation, CNC machines operation, all using a number of machines and languages.

Entry Requirements
Junior Trades certificate or acceptable industrial experience. Suitable for those seeking to acquire the necessary skills to program and set CNC machines.

Duration
September to January, one evening per week (7 – 10pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
One written paper and observation of performance during set assignments.

Award
Certificate in NC/CNC Machine Setting and Operation
(City and Guilds of London Institute)

Career Opportunities
Progression to CNC machines from conventional machines.

Further Information
Department of Applied Technology
t +353 1 402 3626
or
Mr. Ciaran Smith
t +353 1 402 3848

Location
DIT Bolton Street.

DT082 Electronic and Computer Systems - Higher Certificate

Description
This programme is of three years duration requiring attendance on two evenings and one full day per week. The programme is designed for those working in the electronics industry. It provides a broadly based education in the fundamental principles and practice of electronic engineering at a level appropriate to the electronic technician seeking to be employed in the production, test and service sectors of the electronics, communications or computer industry. The programme orientation is essentially practical with emphasis on the development of software and hardware diagnostic and fault-finding skills. However, an appropriate mathematical and science foundation is incorporated to ensure that students wishing to extend their studies at some future date will be enabled to do so.

Content
First Year:
Electric Circuits and Devices, Electronic Systems, Computer Systems, Mathematics, Communications Skills.

Second Year:
Microcomputer Systems, Radio Engineering Science, Mathematics, Computer Aided Design, Personal Computers and Network Technology.

Third Year:
Software Systems, Electronic Systems, *Data Communications, Communication Skills, Business Environment and a Project*.

*The project is normally work-based.

Entry Requirements
Irish Leaving Certificate in five subjects which must include Mathematics with a minimum of grade C3 at Ordinary level, and English or Irish or the Senior Trade Certificate of the Department of Education and Science with one endorsement in Mathematics or a Science subject.
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 and Science will be an acceptable equivalent or such qualification as the Institute may deem equivalent.

Programme Fee (See page 8)
€776.

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005. (Monday to Thursday each week 6.30-8.30pm). To complete enrolment candidates are required to attend at DIT Kevin Street in person, provide proof of examination results and supply three passport-type photographs.

Examinations
Examinations will take place in May 2006.

Award
Higher Certificate in Electronic and Computer Systems of Dublin Institute of Technology.

Career Opportunities
Graduates of this programme find employment as technicians across the spectrum of electronics, telecommunications and computer industries in the production, service and applications sectors. Many of our graduates are working with multinational companies in Ireland and abroad.

Further Information
Christopher J. Bruce
t +353 1 402 4576
e christopher.bruce@dit.ie
or
Deirdre Staunton
t +353 1 402 4665
e deirdre.staunton@dit.ie

Location
DIT Kevin Street.

DT079 Electronic and Computer Systems - Ordinary Degree

Programme Description
This programme is of two years duration requiring attendance on one evening each week and one full day per week. It is designed to provide graduates of certificate-level programmes, or persons with equivalent qualifications, with an opportunity to pursue their studies to Ordinary Degree level. This technician programme has a strong systems perspective, which is intended to develop the student's knowledge and technical abilities in the areas of Computer, Communications and Industrial Electronic Systems. The programme is divided into core and elective programmes.

Content
First Year:
Microcomputer and Embedded Systems, Software Development, Mathematics, Statistics, Business Studies.

Second Year:
Project, Business Studies and two courses selected from the following: Instrumentation and Automatic Test Systems; Automation and Control Systems; Communications Networks; Analogue and Digital Communications.

Entry Requirements
A technician certificate qualification in electronics, or related discipline from a recognised institute with at least a Merit grade, or a qualification which is deemed by the Dublin Institute of Technology to be an equivalent qualification.

Award
Bachelor of Engineering Technology in Electronic and Computer Systems of Dublin Institute of Technology.

Duration
Two years.

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolment will take place between 5th September and 8th September 2005. (Monday to Thursday each week 6.30-8.30pm). To complete enrolment candidates are required to attend at DIT Kevin Street in person, provide proof of examination results and supply three passport-type photographs.

Programme Fee (See page 8)
€776.

Examinations
Examinations will take place in May 2006.

Career Opportunities
You can expect to work in industry, setting up, commissioning or maintaining complex communications or manufacturing systems. In a relatively short time you can look forward to supervising other staff doing this work. You might also work as a member of a team designing and developing new systems.

Further Information
Christopher J. Bruce
t +353 1 402 4576
e christopher.bruce@dit.ie
or
Deirdre Staunton
t +353 1 402 4665
e deirdre.staunton@dit.ie

Location
DIT Kevin Street.

DT031 Degree in Engineering

Description
This programme is taken over three academic years. Currently it is possible to specialise in one of the following engineering disciplines: Mechanical Engineering, Structural Engineering, Building Services Engineering, Manufacturing Engineering.

Content
A typical study pattern is as follows.
In the first year five subjects from the third year of the full-time programme are studied. In the second year the remaining third year subjects are taken together with two subjects (one of which will be Mathematics) from the final year of the full-time programme. In the third year the remaining final year subjects are taken together with the project. Detailed timetables are normally available at enrolment.

Entry Requirements
(a) A Pass in the Foundation Programme (DT030) or (b) a Distinction or Merit (Upper Division) in the DIT or NCEA Technician Diploma in a cognate discipline or equivalent qualification

Duration
Three years – late afternoon and evening three or four days per week (depending on the chosen discipline).

How to Apply/Enrol
Enrolment will be considered on receipt of a completed application form by 2nd September 2005 or by attendance at the enrolment in September. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm.).

Programme Fee (See page 8)
€1,452 including DIT examination fee.

Examinations
Examinations are held at the end of each academic year in the subjects taken during that year. The examination papers are the same as for the full-time Degree students. Repeat examinations are held in early September.

Award
Bachelor of Engineering (BE), with honours classification, of Dublin Institute of Technology.

Career Opportunities
Engineering and Management positions in Mechanical/Manufacturing/Structural and Building Services industries and Management/Engineering consultancy.

Further Information
The Secretary, School of Mechanical & Transport Engineering
t +353 1 402 3605
or
The Secretary, School of Manufacturing Engineering
t +353 1 402 3626
or
The Secretary, School of Civil & Building Services Engineering.
t +353 1 402 3635

Location
DIT Bolton Street.

DT030 Foundation Programme in Engineering

Description
The aim of this programme is to enable students who already hold a relevant Technician Diploma qualification at Pass or Merit (Lower Division) levels to proceed to a Degree in one of four engineering disciplines.

Content
Three subjects from the second year of the full-time programme are studied for one academic year. For students who intend to specialise in any one of Mechanical, Manufacturing or Building Services Engineering these subjects are: Mathematics and Statistics, Fluid Mechanics, Thermodynamics. For students who intend to specialise in Structural Engineering these subjects are: Mathematics and Statistics, Fluid Mechanics, Mechanics of Materials 2.

Entry Requirements
The Foundation year is for applicants who hold a cognate Technician Diploma at Merit (Lower Division) or Pass level. Following successful completion of the Foundation Programme students will complete three years of part-time study for the award of a Degree in Engineering or can apply for entry to an appropriate full-time programme.

- Merit (Upper Division) is the level of award when the average mark lies in the range of 60-69%.
- Merit (Lower Division) is the level of award when the average mark lies in the range of 50-59%.

Duration
One year, three evenings per week.

How to Apply/Enrol
Enrolment will be considered on receipt of a completed application form by 2nd September 2005 or by attendance at the enrolment in September. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€880.

Examinations
Examinations are held at the end of each academic year in the subjects taken during that year. Repeat examinations are held in early September.

Award
DIT Certificate of Completion.

Further Information
The Secretary, School of Mechanical & Transport Engineering
t +353 1 402 3605
or
The Secretary, School of Manufacturing Engineering
t +353 1 402 3626
or
The Secretary, School of Civil & Building Services Engineering
t +353 1 402 3635

Location
DIT Bolton Street.

B774 MSc in Engineering Computation

Description
This programme is a two-year part-time programme leading to a Master of Science Degree. It is specifically aimed at candidates holding a professional qualification or equivalent in engineering, or closely related disciplines. The programme is aimed at providing graduates with a high level of I.T. skills applicable to the practice of engineering. Successful graduates will be able to apply and develop these technologies successfully in the field of engineering.

Programme Outline
There are six taught modules:
1. Operating Systems and Networks (10 Credits)
2. Software Methodologies (10 Credits)
3. Information Systems (10 Credits)
4. Numerical Methods (10 Credits)
5. Computer Aided Design (10 Credits)
6. Engineering Analysis (10 Credits)

Students will be required to complete a research dissertation in addition to the six taught modules for the MSc award (30 Credits).

Examinations
There is a formal examination and two assignments in each taught module. The dissertation will be assessed on the research work and the presentation of the thesis.

Duration
Two years and a minimum of one academic term for the Master of Science award.

Commencement
The programme will start in the first week of October.

Timetable
Students will be required to attend for 9 hours per week for formal classes. The first year programme will be delivered on Tuesday and Thursday evenings. The second year of the programme will be delivered on Monday and Wednesday evenings. Students should note that they will be required to attend on other occasions at other times. Students are advised that they should have access to computer facilities outside of DIT.

Entry Requirements
A minimum Second Class Honours Degree in engineering or a closely related discipline.

Award
Two years and a minimum of one academic term for the Master of Science award. Graduates are eligible for the award of **Master of Science in Engineering Computation** of Dublin Institute of Technology.

Career Opportunities
This programme provides engineers with a strategic understanding of computing as it affects the practice of engineering. It will equip successful graduates to specialise in the increasingly important areas of I.T. and computation within the engineering field. Knowledge gained on this programme will allow graduates to specialise in modelling and simulation, as well as the more strategic aspects of I.T.

Offer Date
Formal offers for this programme will be made in September; late applications will only be accepted in exceptional circumstances and subject to the availability of places.

Programme Fee (See page 8)
€350 per module
€750 Thesis
€100 capitation

How to Apply/Enrol
Application forms are available from:
Office of Graduate Studies and Research
Dublin Institute of Technology
Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2
t +353 1 402 3434
e postgraduate@dit.ie

Further Information
The Secretary,
School of Civil & Building Services Engineering,
DIT Bolton Street,
Dublin 1
t +353 1 402 3635
e barry.duignan@dit.ie

Location
DIT Bolton Street.

DT045 General Maintenance Technology

Description
This programme is designed to give students competence in general maintenance technology and practice.

Content
Engineering materials, assembly and dismantling, joining by screwthread, adhesives, pins and keys, cutting screwthreads by taps and dies, electrotechnology fundamental measurement.

Entry Requirements
- Junior trades certificate.
- Acceptable industrial experience.

Duration
January – June, one evening per week – Monday, (7 - 9pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday - 6.30 - 8.30 pm.).

Programme Fee (See page 8)
€550.

Examinations
One multiple choice paper.

Career Opportunities
Progress in industrial maintenance.

Further Information
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street.

DT050 Machine Tool Systems

Content
Mounting and aligning machine tool systems and components, power transmission in common use, hydraulic and pneumatic systems, principles of CNC machine tools, programming maintenance work, coolants and lubricants, procedures when commissioning/maintaining machine tools.

Entry Requirements
Irish Leaving Certificate or Senior Trades, or National Craft Certificate and/or acceptable industrial experience.

Duration
One year, one evening per week – Monday (7 - 8.30 pm)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
Written paper and practical qualifying tasks.

Career Opportunities
Progression in maintenance, supervision or planning fields.

Further Information
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street

DT051 Plant Installation and Commissioning

Description
To attain generalised knowledge of plant installation and commissioning.

Content
Siting and building plant foundations, anti-vibration mounting and fixing devices, lifting, handling and conveying types of installation equipment and safety requirements, levelling and alignment on bases, general commissioning procedures after installation or maintenance.

Entry Requirements
Leaving Certificate or Senior Trades Certificate or National Craft Certificate.

Duration
One year, one evening per week – Monday (7 - 8.30 p.m)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
Written paper and practical qualifying tasks.

Career Opportunities
Progression in maintenance, supervision or planning fields.

Further Information
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street.

DT046 Maintenance Organisation

Description
Candidates who successfully complete each element will be issued with a record of achievement.

Content
Planned maintenance schedules, systematic fault finding, purpose of maintenance management, main elements of planned maintenance, preventative maintenance programmes, condition monitoring and corrective maintenance, cost effectiveness of a computer based system, logical fault finding and rectification.

Entry Requirements
Irish Leaving Certificate or completed Senior Trades Certificate, National Craft Certificate or acceptable industrial experience.

Duration
January – June, one and a half hours per week, Tuesday 8.30 – 10.00pm.

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm.)

Programme Fee (See page 8)
€550.

Examinations
Written paper.

Career Opportunities
Progression in maintenance or supervision.

Further Information
Department of Applied Technology.
t +353 1 402 3626

Location
DIT Bolton Street.

DT047 Pneumatics

Description
Students will be trained to interpret technical drawings or data in order to determine the type/operation of pneumatic circuits and to maintain/repair these circuits.

Content
Purpose of pneumatic actuation.
Comparison of pneumatic, hydraulic and electric systems.
Properties and behaviour of compressed air.
Factory air service systems.
Pneumatic component and circuit description and use.

Entry Requirements
Acceptable industrial experience.

Duration
One evening per week – Wednesday
(7 – 8.30 pm)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 – 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
One written paper and a practical qualifying task.

Career Opportunities
Progression in general maintenance.

Further Information
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street.

DT035 Certified Manufacturing Technologist

Description
To assist students prepare for the Manufacturing Engineering Part 1 examination of the Society of Manufacturing Engineers. This programme is suitable for technicians, supervisors, production managers and engineers engaged in manufacturing. It leads to the award of Certified Manufacturing Technologist (C.Mfg.T).

Content
A review of manufacturing engineering fundamentals including applied mechanics, materials, quality control, management, computer applications, automation, manufacturing processes, engineering design.

Entry Requirements
Two or more years manufacturing engineering experience and/or third level engineering education.

Duration
Two evenings per week for one year.

How to Apply/Enrol
Enrolment will be considered on receipt of a completed application form by 2nd September 2005 or by attendance at the enrolment in September. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€776.

Examinations
Manufacturing Engineering Part 1 Examination of the Society of Manufacturing Engineers.

Award
Certified Manufacturing Technologist Award (Society of Manufacturing Engineers).

Career Opportunities
For those already engaged in manufacturing industry, this programme is designed to improve the promotional potential of candidates.

Further Information
The Secretary,
Department of Engineering Technology.
t +353 1 402 3635/3718

Location
DIT Bolton Street.

DT034 Mechanical Engineering - Ordinary Degree (Bachelor of Engineering Technology)

(subject to validation)

Description
To prepare students for the above award and to meet the academic requirements for Engineering Technician grade with the Institution of Engineers of Ireland. Students may opt for the Manufacturing or Process option in year 5.

Contents
Year 1
Modules will include:
Engineering Mathematics
Integrated Principles of Technology
Mechanics and Materials
Engineering Drawing
Professional Development

Year 2
Modules will include:
Instrumentation
Workshop Processes
Computing
Engineering Mathematics
Thermal and Fluids

Year 3
Modules will include:
Mechanics
Design and Materials
Control Systems and Instrumentation
Manufacturing Technology
Electrotechnology and Electronics

Year 4 Core to Manufacturing and Process Options
Modules will include:
Engineering Mathematics
Mechanics and Materials
Electrotechnology and Electronics
Control Systems and Instrumentation
Professional Development

Year 5 Manufacturing Option (Elective)
Modules will include:
Computing
Manufacturing Management
Manufacturing Methods
Product Design
Project

Year 5 Process Option (Elective)
Modules will include:
Computing
Process systems Analysis
Energy Systems
Unit Operations
Project

Entry Requirements
Irish Leaving Certificate or equivalent with passes in Mathematics and English or Irish and three other subjects. Participants would usually be employed in the engineering industry before commencing the programme.

Duration
The programme is offered over five years (five stages) and will be delivered on a day/evening basis.

How to Apply/Enrol
Enrolment will be considered on receipt of completed application form by 2nd September 2005 or by attendance at DIT Bolton St. between 5th – 8th September and 12th – 15th September 2005 (Monday to Thursday 6.30 – 8.30 pm)

Programme Fee (See page 8)
€880

Examinations
Modules will be examined by a terminal examination at the end of each session or by continuous assessment throughout the session or by a combination of both.

Award
Bachelor of Engineering Technology in Mechanical Engineering of Dublin Institute of Technology.

Career Opportunities
Employment as a junior engineer or technician in mechanical engineering and related industries.

Further Information
The Secretary,
School of Mechanical and Transport Engineering
T: +3531 402 3605/3932

Location
DIT Bolton Street

DT048 Hydraulics

Description
Students will be trained to interpret technical drawings or data in order to determine the type/operation of hydraulic circuits and to maintain/repair these circuits.

Content
Purpose of hydraulic actuation.
Compare hydraulic, pneumatic and electric systems.
Properties and behaviour of hydraulic fluids.
Concepts/principles of hydraulic systems.
Description/use of hydraulic components/systems.
Fault finding.

Entry Requirements
Acceptable industrial experience.

Duration
One year, one evening per week – Wednesday (8.30 - 10 pm)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
One written paper and a practical qualifying task.

Career Opportunities
Progression in general maintenance.

Further Information
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street.

DT049 Mechanical Power Transmission

Description
To give students a generalised knowledge of power transmission and its scientific background.

Content
Characteristics of transmission systems, rotary conversion and intermittent motion, transmission mechanisms, materials used for transmission systems, principles and characteristics of lubricating systems, bearing types and the operating principles of the following: hydraulics, pneumatics, static and dynamic seals, safety.

Entry Requirements
Irish Leaving Certificate or Senior Trades Certificate/National Craft Certificate and/or acceptable industrial experience.

Duration
January – June, one evening per week, Tuesday (7 - 8.30 pm)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm)

Programme Fee (See page 8)
€550.

Examinations
Written paper and practical qualifying tasks.

Career Opportunities
Progression in the field of maintenance, supervision or planning materials.

Further Information
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street.

DT064 Motor Cycle Studies

Description
This programme provides the student with fundamentals of motor cycle mechanics.

Content
The study of engines, chassis, transmission, brakes of motor cycles.

Entry Requirements
Experience in the motor cycle industry. Please note that entry to this programme is by interview only in September.

Duration
Three years.

Year 1: Tues 6.30pm – 9.30pm
Sat 10.00am – 1.00pm

Year 2: Wed 6.30pm – 9.30pm
Sat 1.00pm – 4.00pm

Year 3: Mon 6.30pm – 9.30pm
Thurs 6.30pm – 9.30pm

How to Apply/Enrol
Application should be made to the Secretary, Department of Transport Engineering (Room 119 DIT Bolton Street) on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€726 per year.

Career Opportunities
Progression within the industry.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932
e thomas.corrigan@dit.ie

Location
DIT Bolton Street.

DT069 Motor Industry Management Certificate/Diploma

Description
To prepare students for the Certificate/Diploma examinations of the Institute of the Motor Industry.

Content
Certificate: Management, legislation, motor industry administration and organisation, finance, reception management, computer applications, marketing and promotion, consumer and commercial law.

Diploma: Management, legislation, administration organisation and finance.
An individual project is mandatory. Tutorials.

Entry Requirements
1) Irish Leaving Certificate or equivalent qualification and
2) Employment in the motor industry and
3) Department of Education and Science Advanced Technological Certificate to include garage organisation and management and/or I.M.I. supervisory studies. Please note that entry to this programme is by interview only in September.

Duration
Three Years:
Year 1: two evenings per week - Certificate Stage
Year 2: one evening per week - Certificate Stage
Year 3: two evenings per week - Diploma Stage

How to Apply/Enrol
Application should be made to the Secretary, Department of Transport Engineering (Room 119 DIT Bolton Street) on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
Year 1: €518.
Year 2: €726.
Year 3: €726.

Examinations
Motor Industry Management Certificate/Diploma examinations.

Award
Motor Industry Management Certificate/Diploma
(Institute of the Motor Industry)

Career Opportunities
Employment in managerial area of motor trade, progression in management of motor industry.

Further Information
The Secretary,
Department of Transport Engineering,
t +353 1 402 3605/3932
e kenneth.bracken@dit.ie

Location
DIT Bolton Street.

DT065 Motor Vehicle Parts Personnel Distance Learning Programme

Description
To prepare students for the Vehicle Parts Personnel City and Guilds 384 Parts 1 and 2 Certificate examinations.

Content
Parts service administration, stock management and control, commercial practice, parts distribution, legal aspects, customer relations and communications.

Entry Requirements
Employment in the motor industry.

Duration
The programme comprises a series of units which are studied at home. A short test at the end of each unit must be satisfactorily completed before proceeding to the next unit.

How to Apply/Enrol
Application should be made to the Secretary, Department of Transport Engineering (Room119 DIT Bolton Street) on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€518.

Examinations
Vehicle Parts Personnel 384 Parts 1 and 2 Certificate examinations.

Award
Vehicle Parts Personnel Certificate (City and Guilds of London Institute).

Career Opportunities
Progression within the industry.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932

Location
DIT Bolton Street.

DT054 Advanced Part Programming

Description
To give a student the necessary skills to program and set a range of machines and the ability to program using a CAD/CAM package.

Content
Plan production of part program, write part programs manually, write part programs using CAD/CAM package, produce a component using a part program, document a part program, computer integrated manufacture.

Entry Requirements
NC/CNC machine setting and operation or relevant industrial experience. Suitable for those wishing to update their existing CNC skills and learn CAD/CAM.

Duration
February to June, one evening per week (7 - 10 pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
One written paper. One project-part produced by manual program. One project-program produced by CAD/CAM.

Award
Certificate in Advanced Part Programming (City and Guilds of London Institute).

Career Opportunities
Progression to manual and CAD/CAM programming.

Further Information
Department of Applied Technology
t +353 1 402 3626
or
Mr Ciaran Smith
t +353 1 402 3848

Location
DIT Bolton Street.

DT056 Programmable Logic Controllers

Description
To provide an introduction to the design, structure and operations of PLCs offering the latest information on how controllers work and their applications to industry. Importance is attached to hands-on experience.

Content
Plan production of PLC programs, write/prove PLC programs, document and store PLC programs, provide interface facilities between PLCs and IMSs.

Entry Requirements
Junior Trades certificate or acceptable industrial experience. Suitable for those who want to acquire a sound understanding of PLCs.

Duration
October to April, one evening per week – 20 weeks, (7 - 10 pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
One written paper and observation of performance during a number of assignments.

Award
Certificate in Programmable Logic Controllers (City and Guilds of London Institute).

Career Opportunities
Progression in manufacturing and service technology.

Further Information
Mr. John Brennan
Department of Applied Technology
t +353 1 402 3853
or
Department of Applied Technology
t +353 1 402 3626

Location
DIT Bolton Street.

DT075 Programmable Logic Controllers (PLCs)

Description
Programmable Logic Controllers are now commonly encountered by maintenance electricians and the programme will cover all essential aspects of PLCs as encountered in industry.

Content
Stage A: Equipment and hardware, principles of PLC operation, general programming procedures, editing and monitoring, timers, counters and sequences, 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.

Stage C: Automation software design techniques.
Automation of an industrial process exercise. Analogue interfaces units, analogue alarms and analogue control of processes using the PLC. Introduction to Operator Interfaces, and basic Human Machine Interfaces (HMIs).

Stage D: High Speed processing on a PLC, Interrupts and high speed counters. Graphical Sequence control techniques using IEC-1131-3 programming. Supervisory Control and Data Acquisition Systems (SCADA) for monitoring of PLC systems. PLC networks, communications, remote and distributed I/O and Fieldbus.
A mini project will allow programme candidates to choose a specific area of automation using PLCs and implement a short project.

Entry Requirements
Prospective students must be electrical craftspersons in the electrical industry.

Duration
All stages: One night per week for approximately 10 weeks.

How to Apply/Enrol
Application should be made on the enclosed form before 2nd September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€340 per stage. You must enrol and pay for each stage separately.

Examinations
None.

Award
Certificate of Satisfactory Completion.

Career Opportunities
A good working knowledge of PLCs will considerably enhance career prospects.

Further Information
The Secretary,
Department of Electrical Services Engineering.
t +353 1 402 4617

Location
DIT Kevin Street.

DT044 Certificate in Quality Management (Excellence Ireland)

Description
The programme aims:
(a) To give students an understanding of general management principles and the management of quality.
(b) To explain the methodology of quality improvement and in particular the various tools and techniques for analysis.
(c) To carry out a project on a relevant aspect of quality assurance.

Content
Basic Concepts, Definitions, Management, Problem Solving and Quality Improvement, Service/Product Quality, Financial Aspects, Quality Development, Project.

Entry Requirements
Successful completion of the Certificate in Quality Assurance (City and Guilds of London Institute Part 2).
Mature applicants with relevant experience and qualifications. Managers and supervisors working with quality control/assurance departments may also apply.

Duration
One year, one evening per week – Wednesday (7 –10 pm)

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm.).

Programme Fee (See page 8)
€550.

Examinations
One written paper and successfully completed project. A seperate examination fee of approximately €120 will be payable directly to Excellence Ireland in early 2006

Award
Certificate in Quality Management.
(Excellence Ireland).

Career Opportunities
Management and supervisory appointments in QA/QC departments of the manufacturing/service industries.

Further Information
Ms. Éidin Finlay
Department of Applied Technology
t +353 1 402 7633

Location
DIT Bolton Street.

DT044 Diploma in Quality Management (Excellence Ireland)

Description
The programme aims to provide a career path for students who have successfully completed the certificate programme in Quality Management and to enhance their prospects of middle management appointments.

Content
Standards, Quality Audits, Statistical Process Control (SPC), Communications, Team Building, Empowerment Theory, Problem Solving, Management and Management Functions, Quality Information Systems, Quality Assurance Legislation.

Duration
One year, one evening per week – Tuesday (7 –10 pm).

Entry Requirements
Certificate in Quality Management.

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday - 6.30 - 8.30 pm).

Programme Fee (See page 8)
€550.

Examinations
One written paper and oral presentation of written project. A seperate examination fee of approximately €120 will be payable directly to Excellence Ireland in early 2006.

Award
Diploma in Quality Management. (Excellence Ireland).

Career Opportunities
Middle management appointments in QC/QA departments of industrial/commercial organisations.

Further Information
Ms. Éidín Finlay
Department of Applied Technology
t +353 1 402 7633

Location
DIT Bolton Street.

DT070 Road Transport Studies

Description
To prepare students for the following examination: The Institute of Road Transport Engineers, Section C, Parts 1 and 2 Certificate.

Content
Section A Part 1
Subject 1 - Technology and Drawing
Subject 2 - Mathematics
Subject 3 - Elementary General Science

Part 2
Subject 4 - Motor Vehicle Technology
Subject 5 - Engineering Drawing

Section B Part 1
Subject 1 - Mathematics
Subject 2 - Science

Part 2
Subject 3 - Technology and Drawing
Subject 4 - Engineering Practice
Institute requirements in respect of Sections A and B are usually met by gaining exemption as a result of successfully completing similar programmes offered by other examining bodies. A list of recognised exemptions is given under EXEMPTIONS.

Section C Part 1
Subject 1 - Management Supervision and Practice
Subject 2 - Financial and Commercial Aspects
Subject 3 - Workshop Organisation and Administration (3) or Reception Organisation and Administration (3A)
or Marketing and Sales Promotion (3B)
Subject 4 - Legal Aspects of the Motor Trade and Transport Industry.

A minimum of FOUR subjects must be studied by a candidate seeking to meet Institute requirements for certification in C Part 1.
Examination papers may be taken together or separately.

Part 2
Subject 5 - Transport Legislation - Technical and Administrative & Subject 6 - Transport Operational Principles.
Section C meets the current requirements of the Road Transport Industry in the Republic of Ireland. All the subjects in Section C are in modular form. A national examination paper is set by the Institute for subjects 6 and 7 and marked by Institute examiners. Subjects 1 to 4 are internally examined and externally assessed by IRTE.

Entry Requirements
Year 1
Department of Education and Science Senior Trade Certificate including endorsement subjects and City and Guilds of London Institute 390 Part 1 Certificate or equivalent.
Year 2:
Institute of Road Transport Engineers subjects 1 and 2.
Year 3:
Institute of Road Transport Engineers subjects 1 – 4 or completion of programme DT069.

Please note that entry to this programme is by interview only in September.

Duration
Years 1 and 2 – one evening per week.
Year 3 – two evenings per week.

How to Apply/Enrol
Application should be made to the Secretary, Department of Transport Engineering (Room 119 DIT Bolton Street) on the enclosed form before 9th September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
Years one and two €518.
Year three €726.

Examinations
The Institute of Road Transport Engineers Section A – Parts 1 and 2: Section B – Parts 1 and 2 Section C – Parts 1 and 2.
An individual project is mandatory.

Award
An examination Certificate from the IRTE which leads to a **Certificate of Professional Competence** from the Department of Transport.

Career Opportunities
Progression in management of the transport industry.

Further Information
The Secretary,
Department of Transport Engineering.
t +353 1 402 3605/3932
e kenneth.bracken@dit.ie

Location
DIT Bolton Street.

DT055 Solid Modelling/CAD/CAM

Description
To give a student an appreciation and understanding of the role of solid modelling and CAD/CAM in design and manufacturing.

Content
Types of modellers, design of parts, assembles, CAD/CAM packages, rapid prototyping, dynamic modelling.

Entry Requirements
Junior Trades certificate or acceptable industrial experience. Suitable for those seeking to acquire the necessary skills to use computers and their applications in manufacturing parts.

Duration
One year, one evening per week –
7 - 10 pm.

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005. (Monday to Thursday 6.30 – 8.30 pm)

Programme Fee (See page 8)
€550.

Examinations
Continuous Assessment

Award
Continuing Professional Development
Certificate (Dublin Institute of Technology)

Further Information
Department of Applied Technology
t +353 1 402 3626
or
Michael Ring
t +353 1 402 3845

Location
DIT Bolton Street.

DT095 Updating Programme for Phase 4 Examinations of Standards Based Apprenticeship in Electrical Trade

Description
SBE4 (RA) (Autumn Term) or SBE4 (RB) (Spring Term) or SBE4 (RC) (Summer Term): Updating programme for Phase 4 Examinations in Electrical Science. SBE4 (RD) (Autumn Term) or SBE4 (RE) (Spring Term) or SBE4 (RF) (Summer Term): Updating programme for Phase 4 Examinations in Electrical Craft Practice.

Content
(SBE4 - A, B, C) Electrical Science.
(SBE4 - D, E, F) Electrical Craft Practice.

Entry Requirements
Applicants must previously have covered a Phase 4 level programme 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 before 2nd September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€280 per module.

Examinations
Phase 4 Examinations of Standards Based Apprenticeship in Electrical Trade.

Award
Qualification for progression to next phase of Standards Based Apprenticeship.

Career Opportunities
Satisfactory completion of the Standards Based Apprenticeship is an essential requirement for the award of the National Craft Certificate.

Further Information
The Secretary,
Department of Electrical Services Engineering.
t +353 1 402 4617

Location
DIT Kevin Street.

DT096 Updating Programme for Phase 6 Examinations of Standards Based Apprenticeship in Electrical Trade

Description
SBE6 (RA) (Autumn Term) or SBE6 (RB) (Spring Term) or SBE6 (RC) (Summer Term): Updating programme for Phase 6 Examinations in Electrical Science. SBE6 (RD) (Autumn Term) or SBE6 (RE) (Spring Term) or SBE6 (RF) (Summer Term): Updating programme for Phase 6 Examinations in Electrical Craft Practice.

Content
(SBE6 - A, B, C) Electrical Science.
(SBE6 - D, E, F) Electrical Craft Practice.

Entry Requirements
Applicants must previously have covered a Phase 6 level programme 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 before 2nd September 2005. Late applications may be considered should vacancies remain after the closing date.

Programme Fee (See page 8)
€340 per module.

Examinations
Phase 6 Examinations of Standards Based Apprenticeship in Electrical Trade.

Award
Qualification in final written examinations for award of **National Craft Certificate**.

Career Opportunities
Satisfactory completion of the Standards Based Apprenticeship is an essential requirement for the award of the National Craft Certificate.

Further Information
The Secretary,
Department of Electrical Services Engineering.
t +353 1 402 4617

Location
DIT Kevin Street.

DT040 Gas Shielded Arc Welding

Description
To enable students to achieve EN287 standard or ASME IX standard or BS4872 standard on mild steel, stainless steel or aluminium using the MIG/MAG or TAGS welding processes.

Content
Introduction, safety with regard to dress/behaviour in the workshop and on site, welding joints and positions, welding terminology, welding equipment and accessories, practical welding of the standard joints on mild steel, stainless steel, and aluminium using the MIG/MAG and TAGS processes. Visual and destructive testing relevant to the standards required.

Entry Requirements
Craftspersons and senior apprentices employed in an engineering or allied trade preferably with some welding experience.

Duration
Twenty weeks – one evening per week (6.30 - 9.30 pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 - 8.30 pm).

Programme Fee (See page 8)
€518

Examinations
Conducted and supervised by an external awarding body on the last night of the programme.

Award
Welder Approval Certificate to EN287 or ASME IX (American Society of Mechanical Engineers)
(EN - European Norm).

Career Opportunities
Advancement within the fabrication and welding industry.

Further Information
The Secretary,
Department of Metal Fabrication and Welding.
t +353 1 402 3626

Location
DIT Bolton Street.

DT039 MMA and Oxy-Acetylene Programme - Welding

Description
To enable students to achieve EN287 standard on the MMA and Oxy-acetylene Welding programme.

Content
Introduction, safety with regard to dress/behaviour in the workshop and on site, welding joints and positions, welding terminology, welding equipment and accessories, practical welding of the standard joints with the manual metal arc and oxy-acetylene processes. Visual and destructive testing relevant to the standards required.

Entry Requirements
Employment in an engineering or allied trade.

Duration
Twenty weeks – one evening per week (6.30 - 9.30 pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday each week - 6.30 – 8.30pm).

Programme Fee (See page 8)
€518.

Examinations
Conducted and supervised by an external awarding body on the last night of the programme.

Award
Welder Approval Certificate to EN287
(EN – European Norm).

Career Opportunities
Advancement within the fabrication and welding industry.

Further Information
The Secretary,
Department of Metal Fabrication and Welding.
t +353 1 402 3626

Location
DIT Bolton Street.

DT041 MMA Advanced Plate and Pipe Welding

Description
To enable students to achieve EN287 standard or ASME IX standard or BS4872 standard on mild steel plate and pipe sections using the manual metal arc process.

Content
Introduction, safety with regard to dress/behaviour in the workshop and on site, welding joints and positions, welding terminology, welding equipment and accessories, practical welding of the standard joints on mild steel plate and pipe sections, using a combination of TIG and MMA welding processes. Visual and destructive testing relevant to the standards required.

Entry Requirements
Craftspersons and senior apprentices employed in an engineering or allied trade preferably with some welding experience.

Duration
Twenty weeks – one evening per week (6.30 - 9.30 pm).

How to Apply/Enrol
Selection is by interview only during the enrolment period. It is anticipated that part-time enrolments will take place between 5th September and 8th September 2005 (Monday to Thursday – 6.30 – 8.30 pm).

Programme Fee (See page 8)
€518.

Examinations
Conducted and supervised by an external awarding body on the last night of the programme.

Award
Welder Approval Certificate to EN287 or ASME IX (American Society of Mechanical Engineers)
(EN – European Norm).

Career Opportunities
Advancement within the fabrication and welding industry.

Further Information
The Secretary,
Department of Metal Fabrication and Welding.
t +353 1 402 3626

Location
DIT Bolton Street.

DT042 CNC Punch Programming

Description
This programme is designed to meet some of the learning needs of the users of CNC controlled punching machinery, in particular those relating to the drafting of parts and the generation of CNC programmes for the punching of these parts.

Content
On completion of the programme the student will be able to:
1. Draw piece parts using all the features used in the drafting of piece parts and their elements, such as lines, arcs, circles, ellipses, squares, rectangles and other polygons.
2. To use all of the features which modify these elements such as move, copy, mirror, rotate, merge and trim.
3. Generate, save and retrieve drawings and save these drawings as parts.
4. Import drawings from other sources and save these as parts.
5. Tool up parts and create and order the part nests.
6. Compile and verify the CNC programme code and output the programme code to the CNC controlled punch machine.

Entry Requirements
Phase 4 or phase 6 apprentices or qualified craftspersons.

Duration
One night per week for 10 weeks.

Programme Fee
€258.

Examinations
Continous Assessment.

Award
DIT Certificate in Continual professional Development.

Further Information
The Secretary,
Department of Metal Fabrication and Welding.
t +353 1 402 3626

TileStyle

FACULTY OF SCIENCE

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K220 Applied Mathematics and Theoretical Physics - MSc

Description
This programme is designed for graduates in Mathematics, Mathematical Physics or related disciplines, who wish to extend their expertise and develop a deeper understanding of Mathematics and its Applications.

Content
The programme consists of four taught modules and a Research Dissertation. Four modules are offered at DIT each year, on a two-year alternating cycle.
Taught modules offered at DIT include:

- Classical Particle Dynamics with Applications to Magnetic Stability
- Functional Analysis and Spectral Theory
- High Energy Particle Physics
- Numerical Analysis
- Operations Research
- Solid and Fluid Mechanics
- Statistical Models and Methods
- Topology and Geometry in Theoretical Physics.

Students may, if they wish, take up to two taught modules from an approved list of comparable modules available at other institutions in the Dublin area.

Entry Requirements
Honours Degree in Mathematics, Mathematical Physics (2.2 or higher) or related/equivalent qualification.

Duration
Normally three years part-time. The programme may also be taken on a full-time basis over a calendar year.

How to Apply/Enrol
Contact the School of Mathematical Sciences (see below).
Application forms are available from:
The Office of Graduate Studies and Research,
Dublin Institute of Technology,
Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2

Programme Fee (See page 8)
€725 per module.
€800 for thesis.
€100 capitation.

Award
MSc in Applied Mathematics and Theoretical Physics of Dublin Institute of Technology. Students who successfully complete four taught modules and
do not wish to proceed to the MSc are eligible for the award of Postgraduate Diploma in Applied Mathematics and Theoretical Physics. Students who successfully complete two taught modules and do not wish to progress to the PgD/MSc are eligible for the award of Postgraduate Certificate in Applied Mathematics and Theoretical Physics.

Career Opportunities
Graduates of this programme have enhanced analytical and problem solving skills in a broadly scientific and technical context, thus equipping them for high level careers in industry, commerce and the public sector. They are also well qualified to proceed to postgraduate degrees by research.

Further Information
Dr. Daphne J. Gilbert
School of Mathematical Sciences
t + 353 1 402 4678
t + 353 1 402 4610
e daphne.gilbert@dit.ie
w www.dit.ie

Location
DIT Kevin Street.

DT240 Cellular Pathology and Histology - Introduction

Description
This one-week programme aims to provide an introduction to the key principles and skills required for a career as a scientist in Cellular Pathology, Histopathology and Histology laboratories. The programme is appropriate for scientists working in diagnostic hospital and veterinary laboratories and cancer research laboratories.

Content
Overview of Clinical Cytology and Pathology, Principles of tissue handling, preservation, freezing and wax processing, Principles of Histochemistry and Immunohistochemistry, Quality Control and Safety in Cellular Pathology, Normal Histology of Human Tissues, Light and Fluorescence microscopy applications.

Entry Requirements
Candidates are required to:
(a) Be currently employed in an appropriate research, hospital or veterinary pathology laboratory and
(b) have a BSc or Diploma in a relevant science subject (Biology, Microbiology, Biochemistry Physiology, Biomedical Science or equivalent)

Duration
One week (late June) Biannually, next course 2006-07.

How to Apply/Enrol
An application form is included in this directory. Please complete and return to
Dr Helen Lambkin, School of Biological Sciences, DIT Kevin Street, Dublin 8 before 30th March 2005. Please email helen.lambkin@dit.ie to reserve a place.

Programme Fee (See page 8)
€330.

Award
Certificate of Completion.
This programme is worth 3 ECTS and is accredited for PEP points by the Academy of Medical Laboratory Science Professional Enhancement Programme.

Career Opportunities
This programme provides introductory training for scientists accepted for trainee grade positions in Histopathology and Clinical Cytology laboratories.

Further Information
Dr Helen Lambkin
School of Biological Sciences
t +353 1 402 4911
e helen.lambkin@dit.ie

Location
DIT Kevin Street.

DT252 Chemical Sciences - BSc

Description
The aim of this programme is to provide a pathway for graduates with pass Degrees or LRSC standard qualifications to proceed to an honours Degree qualification and so be eligible for a professional award from the Royal Society of Chemistry.

Content
Inorganic Chemistry
Organic Chemistry
Physical Chemistry
Analytical Chemistry
Chemical Technology.
These modules are covered over the first four terms. In the fifth term each student undertakes a research/development project.

Entry Requirements
(i) Technician Diploma in Applied Science (Chemistry) of Dublin Institute of Technology with Merit 1 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) Technician Diploma in Applied Science (Chemistry) of Dublin Institute of Technology (Merit 2) followed by at least one year of relevant experience in a chemical or related industry or

(v) the Licentiateship of the Royal Society of Chemistry (LRSC) achieved through examination or

(vi) the GRSC (Part 1) and GRSC Practical with examination or

(vii) the HNC/D and Certificate in Applied Chemistry (CAC) with appropriate bridging studies where required.

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

How to Apply/Enrol
Application forms should be sent directly to:
The Secretary,
School of Chemistry,
DIT Kevin Street, Dublin 8.

Recruitment will take place in June 2005.

Programme Fee (See page 8)
€920 per year.

Examinations
Degree, BSc (Chemical Sciences).

Award
BSc in Chemical Sciences of Dublin Institute of Technology, with honours classification.
Those who obtain at least second class honours will be eligible to apply for Associate Membership of the Royal Society of Chemistry (AMRSC) and membership of the Institute of Chemistry of Ireland.

Career Opportunities
Graduates are eligible to apply for MSc and PhD Programmes at universities and research institutes throughout Europe and America. They may also decide to enter directly into the wide-ranging chemical industry.
Many graduates hold senior positions in industry in Ireland and abroad.

Further Information
Dr. M.B. Foley,
School of Chemistry,
DIT Kevin Street,
Dublin 8.
t +353 1 402 4645
f +353 1 402 4989
e barry.foley@dit.ie
w www.dit.ie

Location
DIT Kevin Street.

DT254 Clinical Measurement - BSc (Hons)

Description
The School of Physics offers the 4th Year of the BSc in Clinical Measurement on a part-time basis, over two years, for those currently working in physiological measurement laboratories.

Content
The programme will cover Cardiology, Neurophysiology, Pulmonary Function, Vascular measurements, Instrumentation and Pharmacology. There will also be project-based work. Information technology will be used extensively for staff-student communications and programme delivery.

Entry Requirements
Applicants must have the Certificate in Medical Physics and Physiological Measurement from the Dublin Institute of Technology (Course K271) or equivalent
and
three years relevant experience following graduation from the Certificate in Medical Physics and Physiological Measurement course (or equivalent).

Applicants must be currently working in the area of Clinical Measurement

Duration
Two years part-time. The course will involve lectures (1 full day approx. every third Saturday) and self directed learning.

How to Apply/Enrol
Application should be made on the enclosed form before 2nd September 2005. Late applications will be considered should vacancies remain after the closing date.

Course Fee
€920

Award
BSc in Clinical Measurement of Dublin Institute of Technology with Honours classification.

Further information
Dr Pat Goodman
School of Physics
Ph (01) 402 4782
Fax (01) 402 4988

Mr A Meade
School of Physics
Ph (01) 402 4961
Fax (01) 402 4988

Office
School of Physics
Ph (01) 402 4559
Fax (01) 402 4988

Location
DIT Kevin Street

DT249 Information Technology - BSc

Description
The main aim of the programme is to produce graduates with the necessary skills to function as information technology professionals in a broad range of commercial, industrial and public sector environments. A further aim of the programme is that, in view of the rapidly changing nature of the computer industry, graduates are equipped with a wide and educationally sound background in order that they may possess the flexibility likely to be required in the future.

Content
The programme has a modular structure with two levels. There is one examination paper per module:

BSc (Ord) Degree: There are seven compulsory modules, each paper of two hours duration. These are:
Information Systems, Software Development, Computer Technology and Professional Issues in IS Practice, Object Oriented Systems, Analysis and Design, Database Systems, IS Project Management. In addition, an extra module is chosen from a list of options, each paper of two hours duration. The list comprises:
Object Oriented Programming
Architecture & System Software
Networks & Data Transmission.

BSc (Hons) Degree: Three modules are chosen from a list of options, each paper of three hours duration. The list includes:
Software Engineering
Advanced Database Management Systems
Management Information Systems
E-Commerce
Internet Development
Distributed Information Systems
A Project must be undertaken at either level depending on whether the candidate wishes to exit the programme with a BSc (Ord) or a BSc (Hons).
Not all of the above options may be offered in any particular year.

Entry Requirements
Minimum requirements for the programme are the Irish Leaving Certificate with a grade D3 or higher in six subjects including a grade C3 or higher in at least 2 subjects at higher level. However, places may be offered to applicants with a qualification considered equivalent to the minimum requirements, as determined by the Programme Committee. Places may also be offered to non-standard students who meet certain criteria with respect to suitability, analytical skills and professional experience. Students may be requested to attend for interview. **This programme positively supports the entry of mature students; experiential knowledge will be favourably considered. This is in keeping with the concept of lifelong learning and the long-established philosophy of the Dublin Institute of Technology.**

Programme Features: Modular and option driven.Practically focused. Actively builds on experiential knowledge.

Exemptions: Exemptions from certain options may be available to students who have already completed a relevant academic programme such as a general Degree, a three-year Diploma or a two-year certificate, with IT as a major component.

Duration
The programme is normally of five years duration. It is modular and divided into two levels, BSc (Ord) and BSc (Hons). Diploma in Information Technology normally takes three years. Students are required to complete seven core modules and one option module. BSc (Hons) in Information Technology usually takes two further years but students may take longer. Students are required to complete three modules and a project. Continuous assessment is an integral part of every module offered on the programme.

How to Apply/Enrol
Applications to be made on-line only at www.comp.dit.ie/DT249.
Closing date for completed applications is Thursday 8th September 2005. Late applications will only be considered in exceptional circumstances.

Programme Fee (See page 8)
€325 per module.
€100 capitation.

Award
BSc (Hons) in Information Technology of Dublin Institute of Technology. Students who do not wish to complete an honours Degree may graduate with a BSc (Ord) degree in Information Technology of Dublin Institute of Technology if all required modules and a project have been completed satisfactorily.
It is possible to attend individual modules. Certification will be provided to students who succeed in individual modules.

Career Opportunities
Progression to senior positions in the computer industry.

Further Information
School of Computing,
Dublin Institute of Technology,
Kevin Street, Dublin 8.
t + 353 1 402 2840
w www.comp.dit.ie/DT249

Location
DIT Kevin Street.

DT248 Mathematics/Graduateship of the Institute of Mathematics and its Applications BSc (Honours)

Description
This programme is designed to introduce students to a range of modern pure and applicable mathematics at honours Degree level. The programme content is suitable for all those who wish to improve their mathematical standard from general or pass degree to honours degree level. Graduates have enhanced employment opportunities in industry, commerce and the public services and are also eligible to proceed to postgraduate study/research for higher degrees.

Content
The programme consists of four topics, three of which are compulsory.

Year 1: (a) Mathematical Methods (b) Functional Analysis

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

Students may enter in year 1 or year 2 which are offered on alternate years. The first year of the programme is scheduled to run in 2005/2006.

Entry Requirements
(a) Ordinary Degree with Mathematics as the main subject or
(b) Licentiateship of the Institute of Mathematics and its Applications or
(c) any other such qualification that the Institute may deem equivalent.

Duration
Two years, two evenings, (six hours) per week.

How to Apply/Enrol
Contact the School below.

Programme Fee (See page 8)
€920.

Examinations
Examinations are held in August/September.

Award
BSc in Mathematics, with honours classification, of Dublin Institute of Technology. Successful candidates will be eligible to apply for Graduate Membership of the Institute of Mathematics and its Applications.

Further Information
Dr. Daphne J. Gilbert
School of Mathematical Sciences,
DIT Kevin Street, Dublin 8.
t +353 1 402 4678/4610
f +353 1 402 4994
e daphne.gilbert@dit.ie
w www.dit.ie

Location
DIT Kevin Street.

DT246 Mathematics/Licentiateship of the Institute of Mathematics and its Applications - BSc (Ordinary)

Description
This programme provides the necessary mathematical foundations for entry to the BSc honours Degree in Mathematics. It also provides a useful core of modern mathematics for second-level teachers, professionals in industry, commerce and the public services, and for those wishing to return to employment after a career break.

Content
Year 1
The programme consists of two topics:
(a) Mathematics Methods
(b) Numerical Methods.

Year 2
The programme consists of two topics:
(a) Statistics
(b) Algebra.

Students may enter in year 1 or year 2 which are offered on alternate years. The first year programme is scheduled to run in 2005/2006.

Entry Requirements
(a) Degree where Mathematics is taken for two years or
(b) relevant Diploma or Certificate at Merit level where Mathematics is taken for two years or
(c) any other such qualification which the Institute may deem equivalent.

Duration
Two years, two evenings (six hours) per week.

How to Apply/Enrol
Contact the School below.

Programme Fee (See page 8)
c920.

Examinations
Examinations are held in August/September.

Award
BSc (Ordinary) in Mathematics of Dublin Institute of Technology. Successful candidates are eligible to apply for Licentiateship of the Institute of Mathematics and its Applications.

Further Information
Mr. A. Byrne,
School of Mathematical Sciences,
DIT Kevin Street, Dublin 8.
t +353 1 402 4824
e anthony.byrne@dit.ie

Location
DIT Kevin Street.

DT241 Medical Records and Patient Services Management

Description
This one year programme aims to provide a basic training in Medical Records Administration and prepare students for the Certificate Examination of the Irish Health Services Management Institute.

The programme is aimed at clerical and secretarial staff working in medical records, medical secretarial, admissions, out-patients, radiology, pathology and other medical support departments and those who aspire to working in these areas of the Health Services.

Content
Health Service Management, Patient Record Management, Medical Terminology, Anatomy and Physiology, Principles of Organisation and Management, Information Technology, Communications, Statistics/Computer Science.

Entry Requirements
Candidates are required to:
(a) either at present be employed or wish to be employed in the health service or 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.

Duration
One year, two evenings per week, (Tuesday and Thursday).

How to Apply/Enrol
Applications must be made to the Registration Section, DIT Kevin Street, Dublin 8 on the prescribed form accompanied by the appropriate registration fee. In addition students must register with the Irish Health Services Management Institute before presenting for enrolment. Application forms for registration may be obtained from: The Director of Education, Irish Health Services Management Institute, c/o Hume Street Hospital, Dublin 2. (t +353 1 661 9787). Successful applicants should attend in person at DIT Kevin Street at the times and dates advised for enrolment. They should provide three passport size photographs for registration purposes.

Programme Fee (See page 8)
€780.

Examinations
Certificate Examination of the Irish Health Services Management Institute. Only registered students of that Institute who comply with its regulations are eligible to sit for the examination.

Award
Certificate in Medical Records and Patient Services Management.

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

Further Information
Dr. J. Tighe, School of Biological Sciences,
DIT Kevin Street, Dublin 8
t +353 1 402 4913

Location
DIT Kevin Street

K218 Molecular Pathology - MSc

(Runs jointly with the University of Dublin, Ireland)

Description

This programme is run jointly by the Dublin Institute of Technology, Kevin Street. and University of Dublin, Trinity College. The programme is broadly based and is designed for medical scientists seeking a career in pathology. The programme deals with the biological basis of disease and addresses the impact of molecular methods on diagnostic clinical pathology.

Content

- Pathological processes (including development in molecular genetics, cell physiology, molecular structure-function relationships, immunology.
- Advanced investigative methods
- Theoretical basis of diagnostic methods
- Professional/Scientific Development
- Laboratory administration
- Modules in one of the following specialist topics:
  Immunohaematology
  Pathophysiology of blood disorders
  Microbial pathogenesis and epidemiology
  Pathophysiology of the cell
  Biochemical pathology
  Molecular immunology

  Students also undertake a laboratory based research project.
  A portfolio of work will be presented by each student including two essays, a literature review, paper critique, workshop review, oral presentation, case study and a poster. An examination at the end of the second year will be on the selected specialist topic. Students must also satisfactorily complete their research project.

Duration

Two years part-time.
The programme commences in early September.

Timetable and Amount of Hours

The part-time programme involves students attending modules as follows::

Year 1 - Six Modules
2 x 2 weeks
2 x 1 week

Year 2 – Four Modules
1 x 2 weeks
2 x 1 week

Entry Requirements

Honours Degree in Biomedical Science at 2:2 level or higher, Part I Fellowship of the Institute of Biomedical Science (IBMS), London, Part II Fellowship of the IBMS, an approved medical Degree or equivalent.

Award

MSc (Molecular Pathology) of the University of Dublin, Trinity College.

Career Opportunities

Graduates have the opportunity to take up senior posts in the clinical pathology service, in biomedical industries and research institutes.

How to Apply/Enrol

Closing date for applications: 30 March 2005. Proposed interview date: Eligible candidates may be interviewed in May 2005.

Programme Fee

To be advised

Further Information

Dr Jacinta Kelly
School of Biological Sciences
DIT Kevin Street, Dublin 8
t +353 1 402 4753/4709
f +353 1 402 4995
e jacinta.kelly@dit.ie
e mkortenhorst@dit.ie

Location

DIT, Kevin Street and
Trinity College Medical School, St James' Hospital.

K219 Pharmaceutical Quality Assurance - MSc

Description
This programme is designed to provide a bridge for students who have qualified in science disciplines to the specific requirements of the pharmaceutical and related industries with respect to quality assurance.

Content
- Q.A and GMP
- Validation
- Statistics
- Control of ingredients, products, packaging and end products
- Legal and regulatory matters
- Auditing
- Manufacturing pharmaceuticals
- Physiology
- Advanced chromatography
- Advanced spectroscopy
- Pharmaceutical analysis
- Pharmaceutical Chemistry
- Pharmaceutical formulation
- Pharmacology
- Pharmaceutical microbiology

Written assignments, practical work, written examinations, project.

Duration
One year full-time or two to four years part-time for postgraduate Diploma. Additional 6 months for industrial based thesis.

Timetable: The lecture programme is divided into 12 modules of 40 hours each. Full-time students undertake 12 modules over two academic terms. Part-time students will undertake 12 modules over 4 or 8 academic terms.
Full-time students will have an average of fourteen contact hours per week comprising lectures, tutorials and practical sessions. Part-time students will have an average of 7 contact hours per week (one/two evenings and Saturday morning). In addition, 10 major in-programme assignments must be completed over the duration of the programme. Full-time students must complete an industrially based dissertation over the summer term. Part-time students are normally expected to perform the project at their place of employment on completion of the taught element of the programme.

Entry Requirements
Honours Degree in chemistry or related discipline at 2:2 grade or higher, or equivalent qualification. Applicants for the part-time programme should be employed in a relevant industrial sector. Selection may be by interview.

Award
MSc (Pharmaceutical Quality Assurance) of Dublin Institute of Technology

Career Opportunities
Graduates of the programme are well equipped to take up positions as quality professionals and managers in the pharmaceutical and related industries.

How to Apply/Enrol
Closing Date for Applications: 3rd June 2005

Proposed Interview Date: Eligible candidates may be interviewed in the second week of June 2005.

Offer Date: July 2005.

Programme Fee (See page 8)
€400 per module
€800 for project
€100 for capitation

Further Information
Dr. Gary Cox,
School of Chemistry,
DIT Kevin Street.
Dublin 8.
t +353 1 402 4756
f +353 1 402 4948
e gary.cox@dit.ie
or
Office of Graduate Studies & Research,
Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2
t +353 1 402 3434
e postgraduate@dit.ie

Location
DIT Kevin Street.

DT247 Graduate Diploma of the Royal Statistical Society

Description
This is a programme leading to the Graduate Diploma in Statistics of the Royal Statistical Society. Classes are provided for students preparing for the Ordinary Certificate, the Higher Certificate and the Graduate Diploma Examinations of the Society. The programme 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. Prospective students are advised to contact the Education Secretary, The Royal Statistical Society, 12 Errol Street, London EC1Y 8LX (t 020 7638 8998) in order to clarify their exemption status.

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 and Analysis and Interpretation of Data.

Year 2/3:
The Higher Certificate in Statistics Examination at the end of year 3 involves three papers:
1. Statistical Methods
2. Statistical Analysis
3. Statistical Applications and Practice.

Year 4:
Two of the five papers forming the Graduate Diploma in Statistics Examination are covered in year 4. The papers are:
1. Statistical Theory and Methods 1
2. Statistical Theory and Methods 2

Year 5:
The remaining three papers of the Graduate Diploma in Statistics are covered this year. The papers are:
1. Applied Statistics 1
2. Applied Statistics 2
3. Optional Subject Paper.

Entry Requirements
Contact the School below.

Duration
Four years, two evenings (six hours) per week.

How to Apply/Enrol
Contact the School below.

Programme Fee (See page 8)
€920 per year.

Examinations
The Ordinary Certificate examinations
The Higher Certificate examinations
The Graduate Diploma examinations

Award
Graduate Diploma in Statistics of the Royal Statistical Society.

Further Information
Ms. Maev Maguire,
School of Mathematical Sciences,
t +353 1 402 4842
e mmaguire@dit.ie

Location
DIT Kevin Street.

FACULTY OF TOURISM & FOOD

Programme	Code	Page
Advanced Kitchen - International Cuisine 1 and 2	DT465	133
Advanced Kitchen (Ethnic Cuisine)	DT466	133
Advanced Kitchen (Kitchen Management)	DT473	133
Advanced Kitchen (Pastry)	DT464	133
Bar Management	DT488	134
Bartending Supervision	DT445	135
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Certificate in Continuing Professional Development Short Programme in Advanced Kitchen

The School of Culinary Arts and Food Technology offers the following individually certified modular programmes to which the appropriate European Union Credit Transfer System (ECTS) applies.

Description
These advanced programmes are designed for practicing chefs who wish to acquire specialist professional skills in advanced kitchen techniques.

Entry Requirements
These programmes are designed for practicing chefs who have post-apprenticeship experience in the hotel, restaurant and catering industry. Candidates must have passed the Dublin Institute of Technology Certificate in Culinary Arts, NTCB/FETAC Certificate in Professional Cookery or City and Guilds 706/2, or equivalent, together with appropriate professional experience. Applicants will be required to attend for interview.

Duration
One day per week for 16 weeks (112 hours).

How to Apply/Enrol
An application form is included with this publication. Completed application forms must be returned to the School/Department below before Friday, 12th August 2005. Applicants should include three passport type photographs and a stamped addressed envelope with completed application forms. Late applications will be considered where vacancies exist. Enrolment takes place in September.

Programme Fee (See page 8)
Each module costs €615.

Examinations
All modules will include practical, written and project work, with the exception of DT473 - Advanced Kitchen Management which will involve written and project work only.

Location
DIT Cathal Brugha Street.

DT464 Advanced Kitchen (Pastry)

Content
The principles and practices of classical/ modern pastry production techniques; food science; new product development; cost and quality factors; health; safety and nutrition.

Award
Advanced Kitchen (Pastry) Certificate of Dublin Institute of Technology.

Further Information
Mr. John Linnane,
School of Culinary Arts & Food Technology
t +353 1 402 4454

DT465 International Cuisine 1 and 2

Content
The principles and practices of classical and modern fish and sauce preparation, use of stocks, sauces, herbs, spices, quality and cost considerations, finishing and presentation, future trends and developments.

Award
International Cuisine Certificate of Dublin Institute of Technology.

Further Information
Mr. Jim Bowe,
School of Culinary Arts & Food Technology
t +353 1 402 4450

DT466 Advanced Kitchen (Ethnic Cuisine)

Content
The principles and practices of a range of ethnic cookery styles which will include the following: Japanese; Chinese; Indian; Special Diet; Vegetarian: American: Australian.

Award
Advanced Kitchen (Ethnic Cuisine) Certificate of Dublin Institute of Technology.

Further Information
Mr. Jim Bowe
School of Culinary Arts & Food Technology
t +353 1 402 4450

DT473 Advanced Kitchen (Kitchen Management)

Content
The principles and practices of Management Theory; Food Service Operations Management; Communications; Occupational Health and Safety, Information Technology.

Award
Advanced Kitchen (Kitchen Management) Certificate of Dublin Institute of Technology.

Further Information
Mr. Patrick Keys
School of Culinary Arts & Food Technology
t +353 1 402 4435

DT488 Bar Management

Description
This programme is provided in co-operation with the Licensed Vintners Association to allow holders of their Diploma to develop managerial, personal, supervisory and operational business skills. The retail licensed trade industry in Ireland comprises approximately 11,019 fully licensed premises, 775 in Dublin (City, County) and 10,244 in the rest of the State. Almost all premises (97.4%) are separate owner-run or family-run businesses, the remainder being part of a chain of other licensed premises/hotels.The aim of this programme, which is broadly based, is to give practical specialist education in licensed trade/bar management to those who wish to advance their careers in this business.
It will provide them with the knowledge on which they can build, by experience, the relevant skills necessary to run a complex licensed trade business profitably and efficiently.

Content
Business Feasibility Study
Marketing and the Publican
Management
Property Acquisition
Sales Promotion
Financial Management
Hygiene

Entry Requirements
1. Licensed Vintners Association Apprentice Diploma holders
2. Managers/Supervisors in the licensed trade.

Duration
Two years.
Attendance:
Year 1: Tuesday 9.00 am - 1pm
Year 2: Tuesday 9.00 am - 1pm .

How to Apply/Enrol
Enrolment, 20th September 2005 at 9am. at DIT Cathal Brugha Street.

Programme Fee (See page 8)
€520 per annum. €75 examination fee to Licensed Vintners Association.

Examinations
First week of May 2006.

Award
Licensed Vintners Association Bar Management Diploma.

Career Opportunities
Management in the sector.

Further Information
Andy O'Gorman, Programme Co-ordinator.
t +353 1 402 4145

Location
DIT Cathal Brugha Street.

DT445 Bartending Supervision

Description
The programme is organised in conjunction with the Licensed Vintners Association and MANDATE Trade Union to provide training and education for bartenders. The programme objective is to give bartenders an insight into the quality, technical and commercial running of a licensed premises.

Content
Commodity Management
Dispense Management
Retail Accounting and Calculations
Retail Distribution
Licensing and Labour Law
Customer Relations
Hygiene Regulations

Entry Requirements
Bar Apprentices and Trainees.

Duration
One Year: Thursday 9 am - 1 pm September 2005 to April 2006.

How to Apply/Enrol
Bartenders may enrol for the programme at DIT Mountjoy Square at 9.00am on the 29th September 2005.

Programme Fee (See page 8)
€75 examination fee payable on enrolment.

Examinations
Last week of April 2006.

Award
Licensed Vintners Association Trainee Bartender Diploma.

Further Information
Andrew O'Gorman,
Head of Department.
t +353 1 402 4145
f +353 1 402 4296

Location
DIT Cathal Brugha Street.

DT453 Communications and Customer Excellence

Description
This programme is designed for all people managers in the hospitality and services industry, especially those who may be new to coaching. It takes delegates through the importance of customer care in the industry, and how to coach their reports in the consistent application of customer care techniques.

Content
The importance of excellent customer care; techniques for good customer care; basic principles and techniques of coaching; understand how to give effective feedback; how to implement a customer care coaching system in an operation.

Entry Requirements
Experience in the Hospitality and Services industry or relevant programmes, e.g. NCTB or City and Guilds is desirable.

Duration
One night per week (2 hours), for one term (approximately 24 hours in total).

How to Apply/Enrol
Application for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the above address before 10th September 2005 for September intake or 10th January for January intake 2006.

Programme Fee (See page 8)
€275

Examinations
Examinations will be on the basis of continual assessment and a terminal examination. Examination is optional.

Award
Communications and Customer Excellence – Short Programme Certificate of Dublin Institute of Technology. Students who successfully complete the examination will be considered for exemption from the equivalent subject on the Certificate in Hospitality Services Management (programme code DT451).

Further Information
Maria Ryan or Ann Conway
School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT456 Computer Applications/Data Summary

Description
This programme is an introductory programme in computer applications with emphasis placed on the basics of computing as applied to professionals in the hospitality and services industry. The programme is focused in preparing participants to appreciate and critically evaluate the role and use of information technology.

Content
The programme will include the following areas: introduction to hardware and software concepts; purchasing of computers; word processing applications; spreadsheets; presentation packages and data communications.

Entry Requirements
No previous experience of computers is necessary.

Duration
One night per week (2 hours per night), for one term (approximately 24 hours in total).

How to Apply/Enrol
Applications for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street,
Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the above address before 10th September 2005 for September intake 2005 or 10th January 2006 for January intake 2006.

Programme Fee (See page 8)
€175.

Examinations
Examinations will be on the basis of continuous assessment and examination. Examination is optional.

Award
Computer Applications/Data Summary Short Programme Certificate of Dublin Institute of Technology. Students who successfully complete the examinations will be considered for exemption from the equivalent subject on the Higher Certificate in Hospitality Services Management (programme code DT451).

Further Information
Ms Maria Ryan or Ms Ann Conway,
School of Hospitality Management and Tourism.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT474 Culinary Arts (Catering for Health)

Description
This programme is designed for those who are engaged in cooking as a career in hotel restaurants and other establishments offering catering facilities and who wish to enhance their skills and gain formal qualification.

Content
Preparation and Service of Food and Beverages, Applied Science, Hygiene and Safety, Nutrition, Gastronomy, Business Studies, Diet and Diseases, Biology, Food Chemistry, Language.

Entry Requirements
- Applicants should be actively engaged in cookery as a career.
- Leaving Certificate in 5 subjects with Grade D3 or Higher on Ordinary Level papers. Results must include Irish or English and Mathematics or an equivalent qualification.
- Applications from mature students (aged over 23 years) who do not hold the appropriate minimum entry requirements but have substantial experience will be considered.
- Applicants may be required to attend for interview.

Duration
Two evenings per week for three years or one day per week for three years. Some additional time may be scheduled to ensure all programme content is covered.

How To Apply/Enrol
An application form is included with this publication. Completed application forms must be returned to the School/Department below before Friday, 5th August 2005. Applicants should include three passport type photographs and a stamped addressed envelope with completed application forms. Late applications will be considered where vacancies exist. Enrolment takes place in September.

Programme Fee (See page 8)
€780 per annum.

Examinations
Competence based professional practice and written examinations as stipulated by DIT Examination Regulations.

Award
Higher Certificate in Culinary Arts (Catering for Health) of Dublin Institute of Technology.

Further Information
John Clancy/Dave O'Connor
School of Culinary Arts and Food Technology
t +353 1 402 4430
t +353 1 402 4448

Location
DIT Cathal Brugha Street.

C494 MSc in Environmental Health & Safety Management

Description
This interdisciplinary programme will be for graduates who are seeking to update their current knowledge and skills and enhance career opportunities in environmental health management, environmental management, occupational safety and health, food safety and risk management.

Content
Risk assessment
Risk management
Strategic management
Policy
Occupational safety and health
Food safety and hygiene
The built environment
Environmental management
Environmental health

These modules will address the foundation, current thinking and practice of risk management at national, European, and international levels. Emphasis will be placed on risk and impact assessment, toxicology, epidemiology, research methods, strategic management and quality management. Career interest and specialisation is facilitated by allowing the student to select his or her own study options from a list of case studies and electives.

Entry Requirements
An honours degree (2.2 grade or higher) or equivalent in a Science, Engineering, Technology, Construction, Architecture, Environmental Health or related discipline. Eligible candidates may be interviewed.

Duration
One year full-time or two years part-time. The programme commences in September.
Timetable: The full-time mode requires attendance for two days per week per academic year. The part-time mode requires attendance for one day per week per academic year.

How to Apply/Enrol
Proposed Interview Date: Will be arranged by the programme tutor.
Offer Date: Will be arranged by the programme tutor.

Programme Fee (See page 8)
€2000 per year.

Examinations
Assessment methods will include examinations, assignments, case studies and a dissertation.

Award
MSc in Environmental Health Risk Management of Dublin Institute of Technology.

Career Opportunities
Graduates are expected to be employed within manufacturing, technology, public and private sectors, food, chemical, environmental and associated industries in a variety of health, hygiene, safety, quality, regulatory, consultancy and related roles.

Further Information
Mr Victor Hrymak
School of Food Science and Environmental Health, Dublin Institute of Technology
Cathal Brugha Street, Dublin 1.
t +353 1 402 4355
f +353 1 402 4495
e victor.hrymak@dit.ie

Location
DIT Cathal Brugha Street.

DT476 Food Product Development Centre Programmes for Industry

Content

Sensory Analysis

This workshop will train personnel to a level at which they will understand the principles of sensory analysis, be able to train an in-house panel and be capable of assessing the results of taste panels. The programme will be of benefit to those involved in quality assurance, product development and marketing.

Basic Hygiene

By law, everyone working in the food industry must be trained in food hygiene. This programme covers both personal and operational hygiene and food hygiene legislation. It also explains what causes food poisoning and how to prevent it. This is an ideal introduction for new entrants to the food industry and for those who have recently moved into a food processing area. Can also be run within company.

Introduction to HACCP for Manufacturers

This workshop is aimed at those who are not familiar with the principles of HACCP and who wish to meet their legal obligations in this area. This workshop encourages participants to learn by applying HACCP to their own workplace.

Writing a HACCP plan for Catering Operations.

This workshop has been designed to introduce the requirements of HACCP to caterers and owners of pubs, restaurants and cafés. Delegates will start to identify risks associated with food preparation on their premises and will be given a framework by which they can develop their HACCP Plan.

Food Labelling

Topics to be covered include the labelling of:
pre-packed foods for the consumer and caterer, genetically modified foods, nutrition composition and information, spreads, chocolate and alcoholic drinks. Emphasis is placed on the practical application of the relevant legislation.
This programme will be of interest to sales and marketing personnel, new product developers and anyone involved in the food packaging industry.

Duration

Most programmes are 1-2 days.

How to Apply/Enrol

Delegates may contact the Food Product Development Centre at any time to be advised when programmes will be run.

Programme Fee

To be advised per specific programme.

Award

Certificate of Attendance.

Career Opportunities

Career enhancement/professional development.

Further Information

Programme Co-ordinator,
Food Product Development Centre,
t +353 1 814 6080
t +353 1 874 8572

Location

31 Marlborough Street, Dublin 1.

C476 MSc in Food Safety Management

Description
This interdisciplinary programme will be for graduates who are seeking to update their current knowledge and skills and enhance career opportunities in all aspects of Food Safety Management.

Content
Risk assessment and management
Quality systems and food auditing
Food law.
Consumer affairs
Biotechnology
Food chemistry
Food microbiology
Toxicology
Nutrition
Food production technology
Packaging and distribution
This programme integrates material from several disciplines to achieve a holistic view of Food Safety Management. It will allow the food safety professional to address the increasing demand for expertise in this area at national and international level.

Duration
Two years part-time. The programme commences in September.
Proposed Interview Date: Will be arranged by the programme tutor.
Offer Date: Will be arranged by the programme tutor.
The part-time mode requires attendance for one day per week from 2pm to 9pm per academic year with occasional field trips of longer duration (some foreign travel may be required).

Programme Fee (See page 8)
€3,450 per year includes €300 for field trip.

Examinations
Assessment methods will include examinations, assignments, case studies and a dissertation

Entry Requirements
An honours degree (2.2 grade or higher) or equivalent in Science, Engineering, Technology, Food, Environmental Health or related disciplines. Eligible candidates may be interviewed.

Award
MSc in Food Safety Management of Dublin Institute of Technology.

Career Opportunities
Graduates are expected to be employed within the manufacturing, technology, public and private sectors, food, chemical, environmental and associated industries in a variety of safety, quality, regulatory, consultancy and related roles.

Further Information
Mr Fintan Moran,
School of Food Science and Environmental Health, DIT Cathal Brugha Street,
Dublin 1
t +353 1 402 4355 (Secretary)
f +353 1 402 4495
e susan.hawkins@dit.ie

Location
DIT Cathal Brugha Street.

C409 MSc in Hospitality Management

Description
The hospitality industry is a major worldwide industry. It is dynamic, competitive, fast-growing and international in nature. It is wide-ranging, covering everything from deluxe hotels, restaurants, and designer bars, to catering operations and nightclubs. DIT's MSc in Hospitality Management is designed to provide participants with the expert knowledge and skills necessary for a successful career at senior management level in any sector of this vibrant industry.

This globally recognised hospitality programme is one of DIT's most sought after programmes. It is the first and only programme of its kind in the Republic of Ireland and provides participants with a top-level educational package that is delivered by leading academics and experts from the national and international hospitality sector. The programme covers all aspects of the hospitality industry with a business based curriculum that is designed to equip participants with the management skills and analytical capabilities necessary to obtain careers in a wide range of organisational settings.

Content
Core Modules: Strategic Hospitality Marketing, Hospitality Financial Management, International Human Resource Management, Information Technology for the Hospitality Industry, Strategic Hospitality Management.

Students are required to complete a major research dissertation, under supervision, on a topic of interest and suited to their career focus.

Options: Research Methods, Intercultural Studies, Tourism Policy, International Hospitality Law, Property Asset Management, Management Science for the Hospitality Industry, Integrated Management Simulation, Tourism Forecasting, Executive Mentorship.

Entry Requirements
Applicants should possess an undergraduate degree at honours classification or equivalent. In addition, applicants may be required to complete an admission interview. Industry experience is beneficial. Applications from mature students are encouraged. International applicants should note that fluency in English is required.

Duration
One year full-time or two years part-time, commencing in September. Contact hours are approximately 6 hours per week for the part-time programme, and 12 hours per week for the full-time programme. In addition, students will undertake significant self-learning and research. Normal contact hours are confined to one day per week for the part-time programme and two days per week for the full-time programme.

How to Apply/Enrol
Eligible candidates may be interviewed from June to August 2005, with offers given in August 2005.

Programme Fee (See page 8)
€1,900 per year.

Examinations
The programme is assessed through a variety of methods, including project work, group work, assignments, presentations and terminal examinations. In addition, students are expected to complete a dissertation.

Award
Masters Degree in Hospitality Management (MSc in Hospitality Management) of Dublin Institute of Technology.

Career Opportunities
Career opportunities literally abound in the hospitality sector. The Masters Degree opens the door to excellent employment opportunities and accelerated promotion within a wide range of organisational settings. Graduates are particularly well placed to find rewarding careers in managerial positions within the hospitality industry.

Further Information
Mr Dominic Dillane
School of Hospitality Management and Tourism, Faculty of Tourism and Food,
Dublin Institute of Technology,
Cathal Brugha Street, Dublin 1, Ireland.
t + 353 1 402 4391
t + 353 1 402 4352
f + 353 1 402 4496
e dominic.dillane@dit.ie
or
Office of Graduate Studies and Research,
Dublin Institute of Technology,
Fitzwilliam House, 30 Upper Pembroke Street, Dublin 2
t +353 1 402 3434
f +353 1 402 3399
e postgraduate@dit.ie
w www.dit.ie

Location
DIT Cathal Brugha Street.

DT451 Hospitality Services Management

Description
For trainee front-line managers and supervisors in the hotel and catering industry, as well as those aspiring to be, this two-year part-time programme gives graduates an in-depth knowledge and insight into all aspects necessary to have a successful career in the sector. Completion of the programme provides participants with a strong foundation in current management practices and trends. It also helps participants develop the techniques and management skills that are required to manage all aspects of the day-to-day practical operation and functioning of those departments for which they will be responsible, i.e. products, systems, facilities, sales, cash/credit and staff.

On completion of the programme a student will be able to:
- Understand the professional, business, financial, human, social and intellectual skills and knowledge needed for operational management competence in a position within the hotel and restaurant industry, which may parallel or precede further experience on a progressive career path to the level of a front-line or department manager.
- Understand a front-line manager's role in organising, controlling and motivating human and physical resources effectively.
- Evaluate the service ethic and be able to apply it to the maintenance of high standards and to the satisfaction of consumer needs.
- Contribute to the overall management of the business through competence in operational management.

Why study Hospitality Services Management at DIT?
- The programme includes hands-on applications to enhance the learning process.
- Progressive, innovative instructors experienced in the tourism industry make this programme appealing to people working in hospitality related businesses, or for anyone seeking career opportunities in the hospitality field.
- The core business and management elements of the taught programme provide added value to the participant's qualifications.
- Laboratory classes are small to ensure participants receive individual attention from faculty members.
- The certificate programme is designed to increase participants potential for career advancement in the industry.
- The programme offers direct access to the BA (Ord) degree in Hotel and Restaurant Management on a part-time or full-time basis.

Content
Year 1: Communications, Management, Computer Applications, Costing and Control, Managing Hygiene and HACCP for Hospitality, Customer Excellence, Hospitality Industry Studies, Business Applications.

Second Year: Hospitality Law, Food and Beverage Management, Human Resource Management, Marketing for the Hospitality Industry, Managing Training and Development.

The programme offers an option in second year with choices from: Financial Management, Project Management, Banqueting Management, Operations Management, Languages, Managing Quality Systems.

Entry Requirements
At least three years experience in the industry and/or relevant programmes e.g. NTCB, NCVA, FETAC, VTOS or City and Guilds.

Duration
Two years.

How to Apply/Enrol
An application form is available from the School of Hospitality Management and Tourism, Faculty of Tourism and Food, Dublin Institute of Technology, Cathal Brugha Street, Dublin 1.

The closing date for receipt of applications from Irish students is early September of the intended year of entry and for overseas students mid-August. Enrolment will commence in September.

Programme Fee (See page 8)
€880 per annum (including examination fee)

Award
Higher Certificate in Hospitality Services Management of the Dublin Institute of Technology.

Career Opportunities
The hotel and catering sector continues to provide first-class career opportunities, at management level, for suitably qualified individuals. Graduates of this programme secure employment in a wide range of areas. The Higher Certificate in Hospitality Services Management provides the necessary education and training to effectively manage and supervise diverse hotel and catering operations. The breadth of the content offers participants the opportunity to gain employment in a number of diverse operations within the hospitality industry such as Hotels, Bars, Clubs, Restaurants, Hospitals, Airlines, Transport Catering, Corporate Catering and Industrial Catering Operations. The delivery of the programme is flexible, student-centred and involves a number of delivery strategies such as: lectures, seminars, workshops, case studies, guest lectures and on-line learning.

Further Information
Ms Clare Johnson or Ms Detta M. Melia,
School of Hospitality Management and Tourism.
t +353 1 402 4440/7558
f +353 1 402 4496
e clare.johnson@dit.ie or detta.melia@dit.ie

Location
DIT Cathal Brugha Street.

DT452 Hygiene and Safety

Description
This programme provides those responsible for Hygiene and Safety in hospitality and services enterprises with the knowledge and awareness to carry out their responsibilities successfully. The regulatory environment for all businesses is becoming increasingly complex and subject to a greater number of detailed directions. This is particularly the case in the highly sensitive operating environments of food production and service areas. For these reasons it is very important for individuals responsible for this area to have a thorough grasp of their managerial responsibilities.

Content
This programme will include the study of food hygiene and safety regulations; operational and structural hygiene; hazard identification and the classification of hazards; safety statements and safety management; hazard analysis critical control point (HACCP) and hygiene awards and standards, including IS340, IS343 and QMark.

Entry Requirements
No previous experience is necessary.

Duration
One night per week (2 hours per week), for one term (approximately 24 hours in total).

How to Apply/Enrol
Applications for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the above address before 10th September 2005 for September intake 2005 or 10th January 2006 for January intake 2006.

Programme Fee (See page 8)
€175

Examinations
Examinations will be on the basis of continuous assessment and a terminal examination. Examination is optional.

Award
Hygiene and Safety - Short Programme Certificate of Dublin Institute of Technology. Students who successfully complete the examinations will be considered for exemption from the equivalent subject on the Certificate in Hospitality Services Management (programme code DT451).

Further Information
Ms Maria Ryan or Ms Ann Conway,
School of Hospitality Management and Tourism.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT459 Becoming A More Effective Manager

Description
This programme is designed to provide an opportunity for experienced managers/ supervisors to reflect on their approach to management. The aim of the programme is to assist participants to develop a greater awareness of their own management style and become more effective in their management of people. The programme will be delivered in a workshop format, incorporating both theory and practical exercises. A number of self-assessment exercises on management will be used.

Content
The areas to be covered will include:
improving personal effectiveness, how people operate in groups, and effective management of groups, team building – identifying your team style, assessing your leadership style, the manager as a facilitator, current management issues.

Entry Requirements
Programme participants will have experience in the management of hotel/catering enterprises or other service businesses. This programme is of interest to individuals who wish to develop a management expertise in the area of people skills.

Duration
One night per week (2 hours) for one term (approximately 24 hours in total).

How to Apply/Enrol
Application for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 4352
f +353 1 402 4496.
An application form is included with this publication.
Completed application forms must be returned to the School/Department above before 10th September 2005 for September intake 2005 or 10th January 2006 for January intake 2006.

Programme Fee (See page 8)
€275.

Examinations
Examinations will be on the basis of continuous assessment and a terminal examination.

Award
Becoming A More Effective Manager – Short Programme Certificate of Dublin Institute of Technology.

Career Opportunities
This programme is aimed at enhancing existing skills and expertise.

Further Information
Ms Maria Ryan or Ms Ann Conway,
School of Hospitality Management and Tourism.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT450 Management Principles – Level 1

Description
This programme introduces participants to the concepts, principles, theories and practices of effective management essential to the successful operation of a business in the hospitality and services industry. This programme will be of benefit to individuals who have recently been appointed to supervisory posts and wish to formally study the role and work of supervisors/managers in the hospitality industry. This programme will assist participants in integrating their practical experience with a theoretical perspective on management.

Content
This programme provides a broad introduction to the role and functions of supervisors in the hospitality and services industry. It includes the study of the operational and strategic management responsibilities of various levels of managers; the influence of the external environment on the business; the impact of various theories of management on current thinking and the impact of organisation structure on the business.

Entry Requirements
Experience in the hospitality or services industry or relevant programmes e.g. NTCB or City and Guilds is desirable.

Duration
One night per week (2 hours per night) for one term, approximately 24 hours in total.

How to Apply/Enrol
An application form is included with this publication. Completed application forms must be returned before 10th September for September intake 2005 or January 10th 2006 for January intake 2006 to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

Programme Fee (See page 8)
€175

Examinations
Examinations will be on the basis of continuous assessment and examination. Examinations are optional.

Award
Management Principles - Level 1 Short Programme Certificate of Dublin Institute of Technology. Students who successfully complete the examinations will be considered for exemption from the equivalent subject on the Certificate in Hospitality Services Management (programme code DT451).

Further Information
Ms Maria Ryan or Ms Ann Conway,
School of Hospitality Management and Tourism.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT450 Management Principles – Level 2

Description
The focus of Management Principles - Level 2 is to build on and continue the system development of Management Principles - Level 1. The programme will assist participants to increase their understanding of how to successfully manage an enterprise in the hospitality or services sector.

Content
The roles and functions of supervisors will be examined in detail including how to motivate staff on an individual and group basis; the supervisors role in planning and control; various approaches to leadership; planning and implementing change; managing quality and a number of other current management issues.

Entry Requirements
Applicants must have successfully completed Management Principles – Level 1 or equivalent.

Duration
One night per week (2 hours per week), for one term (approximately 24 hours in total).

How to Apply/Enrol
Applications for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street,
Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the above address before 10th September for September intake 2005 or 10th January 2006 for January intake 2006.

Programme Fee (See page 8)
€175

Examinations
Examinations will be on the basis of continuous assessment and one examination. Examinations are optional.

Award
Management Principles - Level 2 Short Programme Certificate of Dublin Institute of Technology. Students who successfully complete the examinations will be considered for exemption from the equivalent subject on the Certificate in Hospitality Services Management (programme code DT451).

Further Information
Ms Maria Ryan or Ms Ann Conway,
School of Hospitality Management and Tourism.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT457 Introduction to Marketing

Description
This programme will provide participants with a foundation in marketing principles and practices as applied to the hospitality and services industry. Individuals who wish to appreciate and apply marketing tools in the course of their work will find it of particular benefit.

Content
This programme will include market analysis and marketing research for the hospitality and services industry; marketing planning process; product; pricing; promotion and distribution issues and the development of a marketing plan.

Entry Requirements
No previous experience is necessary.

Duration
One night per week (2 hours) for one term (approximately 24 hours in total).

How to Apply/Enrol
Application for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha St., Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the above address before 10th September 2005 for September intake 2005 or 10th January 2006 for January intake 2006.

Programme Fee (See page 8)
€175.

Examinations
Examinations will be on the basis of continuous assessment and a terminal examination. Examination is optional.

Award
Introduction to Marketing – Short Programme Certificate of Dublin Institute of Technology. Students who successfully complete the examinations will be considered for exemption from the equivalent subject on the Certificate in Hospitality Services Management (programme code DT451).

Further Information
Ms Maria Ryan or Ms Ann Conway,
School of Hospitality Management and Tourism.
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT489 Meat Apprentice

Description
This programme of training and education for retail meat apprentices is arranged in agreement with the trade organisation. Programme objectives include preparing the student for full and productive participation at all levels of the retail meat trade. Particular attention is paid to the development of essential traditional skills as well as the techniques associated with a modern, progressive meat business.

Content
Meat Cutting – Theory and Practice
Meat – Commodity Knowledge
Retail Accounts
Principles of Distribution
Law
Hygiene/Safety/Security
Salesmanship/Display

Entry Requirements
Apprentice/Trainee butchers.

Duration
Three years.

Attendance
Year 1: Mon 9 am - 12 pm or
Tues 9 am - 12 pm
(or Wed 2 pm - 5 pm subject to demand).
Year 2: Mon 9 am - 12 pm or
Tues 2 pm - 5 pm
(or Wed 2 pm - 5 pm subject to demand).
Year 3: Mon 9.00 am - 1pm or
Mon 2 pm - 5.30 pm

How to Apply/Enrol
Students may enrol for the programme at DIT Mountjoy Square, on Monday 5th and Tuesday 6th and Monday 12th and Tuesday 13th of September 2005 at 10am. Places on this programme are allocated in order of enrolment.

Programme Fee
There is an examination fee payable to the Dublin Master Victuallers Association.

Examinations
April/May 2006.

Award
Dublin Master Victuallers Association Diploma

Further Information
Mr Sean Cruise
Programme Co-ordinator.
t +353 1 402 4143
t +353 1 402 4214
e sean.cruise@dit.ie

Location
DIT Cathal Brugha Street.

DT487 Meat Management

Description
Meat accounts for over 50% of agricultural output in this country and given that agriculture accounts for 40% of Ireland's net exports this highlights the importance of the meat industry in this country. The combined retail sales of beef, lamb, pigmeat and poultry is said to be approximately one billion euro in value. There are an estimated 2050 traditional retail butcher shops, 140 supermarket multiples and 48 domestic wholesalers. Combined, these account for around 8,000 jobs. Market pressures on a number of fronts highlight the need for professionalism at management levels in the retail meat sector. This programme, organised in association with the Association of Craft Butchers of Ireland addresses the management needs of the sector.

Content
Meat Technology/Processing/Hygiene
Management
Law
Meat Costing
Accounting

Entry Requirements
Dublin Masters Victuallers Association Diploma holders or managers/supervisors of retail meat stores/qualified butchers.

Duration
Two years
Attendance: Monday 6.30 - 9.30 pm.

How to Apply/Enrol
Students may enrol for the programme at DIT Cathal Brugha Street, from Monday 5th to Thursday 8th and Monday 12th to Thursday 15th September 2005, 9 am - 4 pm. Places on this programme are allocated in order of enrolment.

Programme Fee (See page 8)
€520 per annum.
There is an examination fee payable to Association of Craft Butchers of Ireland.

Examinations
April/May 2006.

Award
Association of Craft Butchers of Ireland Diploma.

Career Opportunities
Management in the sector.

Further Information
Programme Co-ordinator.
t +353 1 402 4145

Location
DIT Cathal Brugha Street.

DT449 Performance Management Skills

Description
This programme is designed for new people managers or managers who are new to the performance management and appraisal process. It examines performance management and the performance appraisal process; performance planning, tracking and managing; appraisal interview preparation, the appraisal interview itself and actions following the appraisal interview.

Content
Performance Management; the performance appraisal process, from day to day performance planning, tracking and managing, through appraisal interview preparation; the appraisal interview itself; actions following the appraisal interview; the importance and functions of the appraisal interview and other elements in the context of the overall performance management function.

Entry Requirements
Experience in the Hospitality and Services Industry or relevant programmes, e.g. NCTB or City and Guilds is desirable.

Duration
12 weeks, 2 hours per week.

How to Apply/Enrol
Application for admission must be made to:
The Secretary, School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the School/Department above before 10th September 2005 for September intake 2005 or 10th January 2006 for January intake 2006.

Programme Fee (See page 8)
€275.

Examinations
Examinations will be on the basis of continual assessment and a terminal examination.
Examination is optional.

Award
Performance Management - Short Programme Certificate of Dublin Institute of Technology on successful completion of examinations. An attendance certificate may also be awarded.

Further Information
Maria Ryan or Ann Conway
School of Hospitality Management and Tourism
DIT Cathal Brugha Street
Dublin 1
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

DT446 Professional Baking - Bread

Description
This hands-on programme will introduce you to an exciting range of breads from around the world. It is intended for the person who likes bread but is dissatisfied with the factory breads available in Ireland. This new and unique programme is designed to give you a sound understanding of the fundamentals of bread making. You will learn the different techniques of dough making and fermentation and be introduced to the use and function of natural ingredients. The programme is aimed at the aspiring amateur and the professional baker/chef. The programme is offered in a modular structure. There are two separate modules. Each module will consist of ten classes, one per week. Each class will be of 3 to 4 hours in duration depending on the amount of work covered. Classes consist of a high level of hands-on practical experience, together with an introduction to the theory and history of breadmaking. The programme is structured to allow the student to take one module at a time and may be spread over a period of time. Those students wishing to progress through the entire programme must take each module in sequence.

Career Opportunities
This programme is aimed at both the aspiring amateur and the professional baker/chef. It has been designed as a series of master classes and is ideally suited to those wishing to upskill in bread making techniques. The programme may also be used as a platform for those seeking a career change. Successful completion of the programme may lead to full/part-time employment in the bakery and foodservice industry or in the area of business start-up and self-employment.

Entry Requirements
Entrants should be mature students (23 years and over). No previous experience required.

How to Apply/Enrol
Contact National Bakery School,
DIT Kevin Street, Dublin 8.
t +353 1 402 4676

Content
First Module Fundamentals of Bread Baking 1 - Basic Breads (Weeks 1 - 5)
Ingredients: Wheat Flours, Yeasts, Salt, Water
Process: Fermentation, Temperature, Proving, Baking.
Technique: Equipment, Mixing, Kneading, Shaping, Glazes.
Products: Dublin Plain Pan, Victorian Milk Pan, Granary Pan, Country Oatmeal Pan, Wheaten Meal Pan, Cottage Loaf, Irish Batch Bread, Irish Turnover.

Fundamentals of Bread Baking 2 - Classic Breads (Weeks 6 - 10)
Ingredients: Butter, Olive Oil, Eggs, Milk, Seeds.
Process: Enriched Dough, Dough Ferments and Starters.
Technique: Equipment, Mixing, Handling, Shaping.
Products: Scotch Baps, Waterford Blahs, Bridge Rolls, Tea Cakes, Parker House Rolls, Partybrot Batched Rolls, Multi-Grain Bread, Sesame Plait, Irish Soda Breads, Quick Breads.

Second Module Advanced Bread Baking 1
Aromatic Breads (Weeks 1 - 5)
Ingredients: Herbs, Cheeses, Nuts, Fruits, Vegetables, Toppings,
Process: Product Development, Recipe Balance.
Technique: Preparation and incorporation in dough.

Products: Pain de Fromage, Pain aux Noix, Pizza Margarita, Nann, Calzone, Zwiebelbrot, Bagels, Pitta, Focaccia, Tomato & Fennel Seed Bread, Chowder Bread Boule.

Advanced Bread Baking 2
Artisan Breads (Weeks 6 - 10)
Ingredients: Wheat/Rye Flours, Protein, Cereals, Acids/Bacteria.
Process: Barms, Sponge, Sours, Biga, Levains, Anstellgut.
Technique: Sourdough Starters, Using and Feeding a Starter.
Products: Baguette, Pain de Champagne, Pagnotta, Ciabata, Weizenmischbrot, Weizenvollkornbrot, San Francisco Sourdough Breads, Brioche, Challa, Leinsamenbrot.

Duration
This programme will be offered over a two year period on a part time basis. It will be possible for participants to complete the entire programme over a longer period to suit individual needs.

Award
Certificate of Attendance. This programme is currently being assessed for a Dublin Institute of Technology short programme certificate.

Programme Fee (See page 8)
€260 per individual module.
€520 for both modules.
Note: You are only required to pay for the first module - should you decide to proceed to the second module, you will be asked to pay the module fee on commencement.

Examination
Assessment on completion of second module.

Further Information
Derek O'Brien,
National Bakery School.
t + 353 1 402 4566

Location
DIT Kevin Street.

DT483 Professional Baking - Cake

Description
This hands-on programme will introduce you to an interesting range of exciting cakes from around the world, including Europe and north America. This new and unique programme is designed to give you a sound understanding of the fundamentals of baking and is aimed at both the aspiring amateur and the professional baker/chef. The programme is offered in a modular structure and there are two separate modules. Each module will consist of ten classes, one per week. Each class will be of 3 to 4 hours in duration depending on the amount of work covered. Classes will consist of a high level of hands-on practical experience, together with an introduction to the theory and history of cake-making. The programme is structured to allow the student to take one module at a time and may be spread over a period of time. Those students wishing to progress through the entire programme must take each module in sequence.

Career Opportunities
This programme is aimed at both the aspiring amateur and the professional baker/chef. It has been designed as a series of master classes and is ideally suited to those wishing to upskill in cake making techniques. The programme may also be used as a platform for those seeking a career change. Successful completion of the programme may lead to full/part-time employment in the bakery and foodservice industry or in the area of business start-up and self-employment.

Entry Requirements
Entrants should be mature students (23 years and over).

How to Apply/Enrol
Contact National Bakery School,
Dublin Institute of Technology,
Kevin Street, Dublin 8.
t +353 1 402 4676

Content
First Module Fundamentals of Cake Baking 1 - Classic Cakes (Weeks 1 - 5)
Ingredients: Milk, Baking Powder, Nuts, Spices, Seeds, Icings.
Process: Flour Batter System, Boiled Method, Raising Agents.
Technique: Equipment, Fruit Preparation, Baking Time/Temps.
Products: Madeira Cake, Carrot Cake, Seed Cake, Banana Cake, Dundee Cake, Genoa Cake, Cherry Cake, Porter Cake, Rum and Raisin Cake, Traditional Sponge Cake, Chocolate Roulade, Creams and Custards.

Fundamentals of Cake Baking 2 - Festive Baking (Weeks 6 - 10)
Ingredients: Flours, Sugars, Butter, Margarine, Eggs, Fruits.
Process: Sugar Batter System, Nut Paste, Baking.
Technique: Equipment, Mixing, Tins/Shapes, Decoration.
Products: Traditional Christmas Cake, Almond Paste, Sugar Paste, Christmas Pudding, Luxury Sweet Mincemeat, Christmas Tartlets, Butter Shortbread.

Second Module Advanced Cake Baking 1 - Party Treats (Weeks 1 - 5)
Ingredients: Creams, Fresh Fruits, Chocolate, Sugar Paste.
Process: Sponge Cake Systems, Genoese, Creams.
Technique: Equipment, Fruit Preparation, Decorations.
Products: (Sweet) Muffins, Meringues, Brownies, Profiteroles, Lemon Meringue. (Savoury) Mini Sausage Rolls, Mini Quiche, Sausage Pinwheels, Cheese Pastries, Mini Cornish Pasties.

Advanced Cake Baking 2 - Torten and Desert (Weeks 6 - 10)
Ingredients: Eggs, Egg White, Cheeses, Liqueurs.
Process: Classic Creams and Custards, Coagulation.
Technique: Continental Cake Rings, Piping, Decoration, Presentation.
Products: Devils Food Cake, New York and Continental Cheese Cake, Swartzwalder Kirsch Torte, Apfel Strudel, Raspberry Gateaux, Chocolate and Pear Torte.

Duration
This programme will be offered over a one year period on a part time basis. It will be possible for participants to complete the programme over a longer period to suit individual needs.

Award
Certificate of Attendance - This programme is currently being assessed for a Dublin Institute of Technology short programme certificate.

Programme Fee (See page 8)
€260 per individual module.
€520 for both modules.
Note: You are only required to pay for the first module - should you decide to proceed to the second module, you will be asked to pay the module fee on commencement.

Examinations
Assessment on completion of second module.

Further Information
Derek O'Brien, National Bakery School.
t +353 1 402 4566

Location
DIT Kevin Street.

DT482 Professional Baking - German Breads

Programme Description
This hands on programme will be delivered at the Bundesfachschule des Deutschen Bäckerhandswerks, Weinheim, Germany. It is intended for graduates of the DT446 Professional Baking - Bread programme who wish to broaden their knowledge of baking technology. The programme will cover the following subject matter areas:

- Overview of German baking industry, its history, the German Master Bakers Association.
- Importance of the baking industry to German economy
- Industry trends – bread consumption – German national diet
- Sour Dough – its history and importance. Method of manufacture and types.
- Ingredients – The type of flours and other ingredients in use (German/English translation).

Bundesfachschule des Deutschen Bäckerhandswerks
This is the premier German Master Baker school and is owned and operated by the German Association of Master Bakers. The school is located in Weinheim, a small town just an hours rail travel south of Frankfurt and is situated outside the town in a most attractive scenic area.

Waldschloß Hotel
The school manages both the hotel and the restaurant. The hotel has 50 rooms and is ideal accommodation for students attending programmes at the school. It is comfortable, spotlessly clean and inexpensive.

Waldschloß Restaurant
An excellent restaurant offering cuisine of the best quality. It is highly regarded and in an excellent setting.

Programme Outline
Day One

Weißbrot	**Wheat Bread**
Weißbrot	White Bread
Baguettes	Baguettes
Rosinenstuten	Raisin (studded)
Festtagsstuten	Feast Day
Christstollen	Christmas Cake
Stollen mit Mohn	Cake with Poppy Seed
Nuß oder Marzipanfüllung.	Nut or Marzipan filling

Day Two

Brötchen	**Bread Rolls**
Campingbrötchen	Camping Bread Rolls
Hefezöpfe-Hefeknoten	Yeast Plait - Yeast Knot
Schnittbrötchen	Cut Bread Rolls
Rosenbrötchen	Fruit Bread Rolls
Kieler Fettsemmeln	Kiel Bread Rolls (with added fat)
Frühstückshörnchen	Breakfast Long Bread Rolls
Kaiser Brötchen	Emperor Bread Rolls
Milchbrötchen	Milk Bread Rolls
Jägerbrötchen	Hunter Bread Rolls
Berliner Salzkuchen	Berlin Salt Breads
Zwiebelbrötchen	Onion Bread Rolls

Day Three

Sauerteig	**SourDough**
Weizenschrotbrot	Coarse Grain Wheat Bread
Buttermilchbrot	Butter Milk Bread
Berliner Landbrot	Berlin Farm Bread
Paderborner Landbrot	Paderborn Farm Bread

Career Opportunities
This element of the programme is aimed at both the aspiring amateur and the professional baker/chef. It has been designed as a masterclass and is ideally suited to those wishing to upskill in continental bread-making techniques. The programme may also be viewed as a platform for those seeking a career change. Successful completion of the programme may lead to full/part-time employment in the bakery and foodservice industry or in the area of business start-up and self-employment.

Entry Requirements
It is intended for graduates of the DT446 Professional Baking - Bread programme who wish to broaden their knowledge of baking technology.

Duration
The programme will be offered in a modular structure and will consist of three separate classes of 7/8 hours duration - depending on the amount of work covered. Practical class will consist of a high level of hands-on practical experience and will be taught by expert master bakers in the schools ultra modern, state of the art, demonstration and teaching bakery laboratories. Programme delivery will be in German, with simultaneous English translation.

How To Apply/Enrol
Application forms are available from DIT Kevin Street. Please ring (01) 402 4746 for an application form.

Programme Fee (See page 8)
€210

Award
Continuing Professional Development Programme Certificate of Dublin Institute of Technology.

Further Information
Mr Derek O'Brien,
School of Bakery,
DIT Kevin Street, Dublin 8.
t +353 1 402 4566

Please note:
This element of the Professional Baking Programme will be offered, provided a minimum of 12 students enroll and take the programme together on the same dates. Also students will be expected to make their own travel and accommodation arrangements.

DT484 Professional Baking - German Cake

Description
This hands on programme will be delivered at the Bundesfachschule des Deutschen Bäckerhandswerks, Weinheim, Germany. It is intended for graduates of the DT483 Professional Baking - Cake programme who wish to broaden their knowledge of baking technology. The programme will cover the following subject matter areas:

- Overview of German Baking Industry, its history, the German Master Bakers Association.
- Importance of the baking industry to German economy
- Industry Trends – Cake Consumption – German National Diet
- Types of Cake and Confectionary available in Germany.
- Ingredients - Range available.

Bundesfachschule des Deutschen Bäckerhandswerks
This is the premier German Master Baker school and is owned and operated by the German Association of Master Bakers. The school is located in Weinheim, a small town just an hours rail travel south of Frankfurt and is situated outside the town in a most attractive scenic area.

Waldschloß Hotel
The school manages both the hotel and the restaurant. The hotel has 50 rooms and is ideal accommodation for students attending programmes at the school. It is comfortable, spotlessly clean and inexpensive.

Waldschloß Restaurant
An excellent restaurant offering cuisine of the best quality. It is highly regarded and in an excellent setting.

Content

Day One:

Massen anschlagen / *Cake mixtures*

Wiener Tortenboden	Vienna Sponge Base
Schokoladen Tortenboden (Schwarzwälder Kirschtorte)	Chocolate Sponge Base (Blackforest Cherry Cake)
Rouladen	Sponge Rolls
Petit-Fours-Kapsel	Petit-Fours-Capsels
Dobos Böden (Herrentorte)	Dobos Base (Gentleman Cake)
Orangenkeks	Orange Biscuits

Creams

Deutsche Butterkrem	German Butter Cream
Leichte Vanilekrem	Light Vanilla Cream

Herstellen / *Production*

Zitronenrouladenfüllung	Lemon Sponge Roll Filling
Petit Fours	Petit Fours
Herrentorte	Gentleman Cake
Brandmasse	Choux Paste
Streusel (Butterstreuselkuchen)	Streusel (Butter Streusel Cake)
Mürbteig (Schwarzwälder Kirschtorte)	Short Pastry (Blackforest Cherry Cake)

Day Two:

Schnitten und Kuchen	Tray cakes and Slices
Weinheimer Aprikosenschnitte	Weinheim Apricot Slices
Quark Kirschestreuselschnitte	Quarke Cherry Crumb Slice
Eierschecke	Quarke Custard Cake
Schokoladen Birnenschnitte	Chocolate Pear Slice
Käsekuchen	Cheese Cake
Schwäbischer Apfelkuchen	Swabian Apple Cake
Kirschfüllung (Schwarzwälder Kirschtorte)	Cherry Filling (Blackforest Torte)
Herstellen	Production
Baumkuchen	Tree Cake
Petit Fours	Petit Fours
Zitronenroulade	Lemon Sponge Roll

Day Three:

Sahnentorten	Cream Cake
Schwarzwälder Kirschtorte	Blackforest Torte
Flockensahne	Flakey Fresh Cream Cake
Konstanzer Himbeersahne	Constance Raspberry Cake
Fertigstellen des Baumkuchens	Tree Cake Decoration
Spezialteige für Kekse	Special Biscuit Doughs
Haselnussmakronen	Hazelnut Macaroons
Kokosmakronen	Coconut Macaroons
Mandelkekse "Almendras"	"Almendras" Almond Biscuits
Hefefeinteig	Sweet Yeast Pastry
Butterkuchen	Butter Cake
Streuselkuchen	Butter Streusel Cake
Fertigstellen der Herrentorte	Decoration of Gentlemans Cake
Fertigstellen der Orangenkekse	Decoration of Orange Biscuits
Gebäckbeurteilung und Diskussion	Tasting,Testing and Discussion

Career Opportunities
This element of the programme is aimed at both the aspiring amateur and the professional baker/chef. It has been designed as a masterclass and is ideally suited to those wishing to upskill in Continental breadmaking techniques. The programme may also be viewed as a platform for those seeking a career change. Successful completion of the programme may lead to full/part-time employment in the bakery and foodservice industry or in the area of business start-up and self-employment.

Entry Requirements
It is intended for graduates of the DT483 Professional Baking – Cake programme who wish to broaden their knowledge of baking technology.

Duration
The programme will be offered in a modular structure and will consist of three separate classes of 7/8 hours duration - depending on the amount of work covered. Practical class will consist of a high level of hands-on practical experience and will be taught by expert master confectioners in the school's ultra modern, state of the art, demonstration and teaching bakery laboratories. Programme delivery will be in German, with simultaneous English translation.

How To Apply/Enrol
Application forms are available from DIT Kevin Street.
t +353 1 402 4676 (line open 24 hours)

Programme Fee (See page 8)
€210.
Note: Accommodation and travel costs are the responsibility of the individual student.

Award
(1) Continuing Professional Development Programme Certificate of Dublin Institute of Technology.
(2) Bundesfachschule des Deutschen Bäckerhandswerks short programme certificate.

Further Information
Mr Derek O'Brien,
School of Bakery,
DIT Kevin Street,
Dublin 8
t 353 1 402 4676 (lines open 24 hours)

Please note: This element of the Professional Baking Programme will be offered, provided a minimum of 15 students enrol and take the programme together on the same dates.

DT486 Professional Baking – Pastries and Snacks

Programme Description
This hands on programme will introduce you to an interesting range of exciting pastries and snacks from around the world, including Europe and North America. This new and unique programme is designed to give you a sound understanding of the fundamentals of pastry and snack baking and is aimed at both the aspiring amateur and the professional baker/chef.

Content
First Module
Fundamentals 1 - Quick Breads and Muffins (Week 1 - 5)

Classic Scones:	Plain; Fruit; Brown; Savoury.
Drop Cakes:	Traditional Rock Buns; Lemon & Orange; Orange & Chocolate; Coffee & White Chocolate; Almond.
Griddle Cakes:	Potato Cakes; Scotch Pancakes; Crumpets; Soda Farls; Savoury Farls.
Muffins Sweet:	Blueberry; Chocolate; Bran; Orange; Date & Nut, Raisin.
Muffins Savoury:	Smoked Bacon; Sage & Onion; Rosemary & Potato; Spinach & Cheese.

Fundamentals 2 - Shortbreads and Cookies (Week 6 - 10)

Cookies:	Plain; Peanut; Rich Chocolate; Double Choc. Chip; Soft & Chewy.
Biscuits:	Shewsbury; Butter Shortbread; Cherry & Almond; Chocolate; Lemon.
Speciality:	Biscotti; Mandlebrot; Speculaas; Macaroons; Amaretti.
Classical:	Florentines; Brandy Snaps; Langue de Chat.
Viennese:	Butter; Chocolate; Pine Nut; Hazelnut; Citron.

Second Module
Advanced Pastry 1 - Tarts, Tartlets, Pies and Slices (Week 11-15)

Irish:	Bramley Apple Tart; Rhubarb Tart; Apple Frangipanne Pie.
International:	Dutch Apple Tart; American Apple Pie; Alsace Apple Pie.
Classic:	Fruit of the Forest Tart; Linzer Tart; Tart Tatin; New World; Chocolate & Ginger Pecan Tartlets; Mississippi Mud Pie.
Slices:	Paradise; Almond & Coconut; Sweet Mincemeat Slice; Apple & Custard.

Advanced Pastry 2 - Puff Pastry (Week 16-20)

Introduction:	Puff Pastry.
Filled:	Apple Pastries; Jam Turnover; Mince Pie; Eccles Cakes.
Slices:	Cream Slice; Coffee Slice; Apple Strudel Slice.
Speciality:	Cream Horns; Palmiers.
Classic:	French Pastries; Pithivers; Mille Feuille.

Career Opportunities
This programme is aimed at both the aspiring amateur and the professional baker/chef. It has been designed as a series of master classes and is ideally suited to those wishing to upskill in cake making techniques. The programme may also be viewed as a platform for those seeking a career change. Successful completion of the programme may lead to full/part-time employment in the bakery and foodservice industry or in the area of business start-up and self-employment.

Entry Requirements
Entrants should be mature students (23 years and over). No previous experience required. This programme will be offered over a one year period on a part-time basis. It will be possible for participants to complete the entire programme over a longer period to suit individual needs.

Duration
The programme is offered in a modular structure. There are two separate modules. Each module will consist of ten classes, one per week. Each class will be of 3 to 4 hours in duration - depending on the amount of work covered. Class will consist of a high level of hands on practical experience, together with an introduction to the theory and history of pastry making. The programme is structured to allow the student to take one module at a time and may be spread over a period of time. Those students wishing to progress through the entire programme must take each module in sequence.

How To Apply/Enrol
Application forms are available from DIT Kevin Street. Please ring (01) 402 4746 for an application form.

Programme Fee (See page 8)
€260 per individual module.
€520 for both modules.

Note: You are only required to pay for the first module - should you decide to proceed to the second module, you will be asked to pay the module fee on commencement.

Award
Continuing Professional Development Programme Certificate of Dublin Institute of Technology.

Further Information
Mr Derek O'Brien,
School of Bakery
DIT Kevin Street,
Dublin 8.
t +353 1 402 4566

Location
DIT Kevin Street.

DT485 Professional Baking – Sweetbreads Programme

Description
This hands on programme will introduce you to an exciting range of sweetbreads from around the world. It is intended for the person who likes sweetbread but is dissatisfied with the factory products at present available in Ireland. This new and unique programme is designed to give you a sound understanding of the fundamentals of sweetbread making. You will learn the different techniques of dough making and fermentation and be introduced to the use and function of natural ingredients. The programme is aimed at the aspiring amateur and the professional baker/chef.

Content
First Module: Fundamentals 1 -
Basic Sweetbreads (Weeks 1-5)
Swiss Buns; Cookie Buns; Hot X Buns; Cherry Buns; Butter Buns; Saffron Loaf; Sally Lunn; Iced Logs; Chelsea Buns; Bath Buns; Savarins & Babas; Aberdeen Butteries; Irish Barm Brack; Karlsbrod (Almond Ring); Welsh Bara Brith; Scottish Selkirk Bannock.

Fundamentals 2 - Croissant & Danish Pastry (Weeks 6-10)
Belgian Pastry; Dutch Coffee Buns; Butter Croissants; Savoury Croissants; Pain au Chocolate; Danish Pastries: Fruit and Nut Fillings Danish Pastries: Danish Kringle; Pecan and Cinnamon Plait.

Second Module: Advanced Sweetbread 1 -
European Specialities (Weeks 11-15)
German Stollen; Pannetone; Gugelhuph; Dutch Sugar Bread; Haselnußzopf (Hazelnut Plait) Vanilla Pinwheels; Streusel Cake: Bienenstich (Beesting); Thuringian Streusel Cake; Butter Streusel; Lemon & Quark Breads; Cranberry & Orange Breads.

Advanced Sweetbreads 2 -
International Classics (Weeks 16-20)
Cinnabom; Sticky Pecan Buns; Bavarian Plum Cake; Austrian Coffee Cake; Viennese Apple Strudel; Cherry Strudel Pockets; German Baked Cheese Slices; Cheese Roll; Party Roll; Hungarian Chocolate Twists; Apricot Rosette Cake.

Career Opportunities
This programme is aimed at both the aspiring amateur and the professional baker/chef. It has been designed as a series of master classes and is ideally suited to those wishing to upskill in bread making techniques. The programme may also be viewed as a platform for those seeking a career change. Successful completion of the programme may lead to full/part-time employment in the bakery and foodservice industry or in the area of business start-up and self-employment.

Entry Requirements
Entrants should be mature students (23 years and over). No previous experience required. This programme will be offered over a one year period on a part time basis. It will be possible for participants to complete the entire programme over a longer period to suit individual needs.

Duration
The programme is offered in a modular structure. There are two separate modules. Each module will consist of ten classes, one per week. Each class will be of 3 to 4 hours in duration – depending on the amount of work covered. Class will consist of a high level of hands-on practical experience, together with an introduction to the theory and history of bread making. The programme is structured to allow the student to take one module at a time and may be spread over a period of time. Those students wishing to progress through the entire programme must take each module in sequence.

How To Apply/Enrol
Application forms are available from DIT Kevin Street. Please ring (01) 402 4676 for an application form.

Programme Fee (See page 8)
€260 per individual module.
€520 for both modules.
Note: You are only required to pay for the first module – should you decide to proceed to the second module, you will be asked to pay the module fee on commencement.

Award
Continuing Professional Development Programme Certificate of Dublin Institute of Technology.

Further Information
Mr Derek O'Brien,
School of Bakery,
DIT Kevin Street, Dublin 8.
t +353 1 402 4566

Location
DIT Kevin Street.

DT448 Professional Restaurant Service 1

Description
This programme is designed to provide students with the practical and theoretical education required for those who wish to further their career in food service. The programme covers a broad range of topics and in particular focuses on the development of the individual and his/her service techniques.

Content
Contemporary restaurant styles and service, beverage and wine studies, food hygiene and safety, bar and restaurant law, on-the-job training.

Entry Requirements
Relevant Industrial experience in food service.

Duration
Sixteen weeks part-time.

How to Apply/Enrol
Application forms are available from DIT, Cathal Brugha Street. Completed application forms must be returned to the School/Department below before Friday 5th August 2005. Applicants should include three passport type photographs and a stamped addressed envelope with completed application forms. Late applications will be considered where vacancies exist. Enrolment takes place in September.

Programme Fee (See page 8)
€275

Examinations
Competence based practical and a written examination as stipulated by DIT examination regulations.

Award
Professional Food and Beverage Service Level 1 Short Programme Certificate of Dublin Institute of Technology

Career Opportunities
Graduates of this programme will find opportunities for work in restaurants of fine dining. They may also seek to improve their learning by applying for further advanced programmes and certification in related food and service disciplines.

Further Information
Mr. Frank Cullen
School of Culinary Arts and Food Technology.
t +353 1 402 4344 or +353 1 402 4474.
e frank.cullen@dit.ie

Location
DIT Cathal Brugha Street.

DT462 Professional Restaurant Service 2

Description
This programme is designed to provide the student with the practical and theoretical education required for those who wish to pursue/further a career in diplomatic, corporate and executive dining. The programme covers a broad range of topics and in particular focuses on fine dining.

Content
Diplomatic, corporate and executive dining
Costing and control
Quality control/Problem solving
Communications.

Entry Requirements
Professional Restaurant Service 1, NTCBI or City and Guilds 707/1 and relevent experience in restaurant service.

Duration
Sixteen weeks part time.

How to Apply/Enrol
An application form is available from DIT, Cathal Brugha Street. Completed application forms must be returned to the School/Department below before Friday 5th August 2005. Applicants should include three passport type photographs and a stamped addressed envelope with completed application forms. Late applications will be considered where vacancies exist. Enrolment takes place in September.

Programme Fee (See page 8)
€275.

Examinations
Competence based practical, project, and a written examination as stipulated by DIT examination regulations.

Award
Professional Food and Beverage Service Level 2 Short Programme Certificate of Dublin Institute of Technology.

Career Opportunities
Graduates of this programme will find opportunities for work in restaurants. They may also seek to improve their learning by applying for further advanced programmes and certification in related food and service disciplines.

Further Information
Mr. Frank Cullen,
School of Culinary Arts and Food Technology.
t +353 1 402 4344
t +353 1 402 4474
e frank.cullen@dit.ie

Location
DIT Cathal Brugha Street.

DT454 Revenue Management

Description
This programme reviews the basic principles of Revenue Management in the Hospitality and Services Industry, providing participants with an understanding of the tactics that can be utilised to improve financial results.

Content
Topics covered include Duration Management, Implementation Models, Market Segmentation, Pricing, Forecasting, Conference Capacity Management.

Entry Requirements
Experience in the Hospitality and Services Industry or relevant programmes, e.g. NCTB or City and Guilds is desirable.

Duration
One night per week (2 hours) for one term (approximately 24 hours in total).

How to Apply/Enrol
Application for admission must be made to:
The Secretary,
School of Hospitality Management and Tourism, DIT Cathal Brugha Street, Dublin 1.
t +353 1 402 4352
f +353 1 402 4496

An application form is included with this publication. Completed application forms must be returned to the above address before 10th September 2005 for September intake or 10th January for January intake 2006.

Programme Fee (See page 8)
€275.

Examinations
Examinations will be on the basis of continual assessment and a terminal examination. Examination is optional.

Award
Revenue Management – Short Programme Certificate of Dublin Institute of Technology.

Further Information
Maria Ryan or Ann Conway
School of Hospitality Management and Tourism,
DIT Cathal Brugha Street, Dublin 1
t +353 1 402 7556/7554
f +353 1 402 4496
e maria.ryan@dit.ie or ann.conway@dit.ie

Location
DIT Cathal Brugha Street.

C408 MSc in Tourism Management

Description
This programme aims to equip participants with the necessary expertise to manage, co-ordinate and plan for the development of tourism in Ireland and abroad. It is primarily aimed at professionals currently engaged within the tourism industry in its broadest sense. This dynamic programme encourages interaction with academics, industry practitioners from the national and international tourism sector and with peers from within the programme.

Content
Strategic Marketing for Tourism
Tourism Planning and Policy
Information Technology/Tourism
Information Systems
Accounting and Finance for Tourism
The Management of Transport Operations
Strategic Services Management
Human Resource Management for Tourism

The programme enables participants to tailor their own study by providing a range of electives. These include:
Intercultural Studies
Marketing Communications
Strategic Product Development
Heritage, Tourism and Sustainability.

Entry Requirements
Applicants should possess an undergraduate Degree at honours classification (2.2 grade or higher) or equivalent. In addition, applicants may be required to attend an interview.

Duration
One year full-time or two years part-time, commencing in September. Contact hours amount to approximately 14 hours per week. In addition, it is envisaged that students would undertake significant self-learning and research. Normally contact hours are confined to two days per week which vary from year to year.

How to Apply/Enrol
Eligible candidates may be interviewed during May - August 2005. Offer Date: August 2005.

Programme Fee (See page 8)
€1,900 per year.

Examinations
The programme is assessed through a range of methods, which includes: project work, group work, assignments, presentations and terminal examinations. In addition, students will be expected to complete a dissertation.

Award
MSc in Tourism Management of Dublin Institute of Technology.

Career Opportunities
Graduates of this programme will have enhanced career opportunities within the tourism industry. Career paths may include careers in transport, travel agencies, tourism providers/suppliers, self-employment, project management, technology management, community development, public sector support, financial institutions and tourism agencies.

Further Information
Dr Sheila Flanagan
Head of Department of Tourism
or
Mr Gerard Dunne,
DIT Cathal Brugha Street,
Dublin 1, Ireland.
t +353 1 402 7548
f +353 1 402 4496
e sheila.flanagan@dit.ie
e gerard.dunne@dit.ie

Location
DIT Cathal Brugha Street.

POSTGRADUATE PROGRAMMES IN LEARNING & TEACHING

Postgraduate Programme in Third Level Learning and Teaching: Certificate, Diploma, Masters (MA)

Description
Are you a new lecturer, keen to get started, but a little apprehensive about teaching? Or are you an experienced lecturer, wanting to try out some new learning and teaching methods? Perhaps you are keen to use more learning technology? Are you eager to explore your specific areas of interest in learning and teaching such as online learning, problem-based learning, psychology of learning, or research in higher education?

This programme is for lecturers in all third level institutions, from all subject disciplines. It was the first postgraduate programme in the Republic of Ireland exclusively for academic staff. It consists of three part-time, modularised programmes located in the Learning and Teaching Centre, Directorate of Academic Affairs, DIT.

Content
1. Postgraduate Certificate in Third Level Learning and Teaching

Two modules:
(a) Learning and teaching in higher education
(b) Designing curricula and assessment strategies.

2. Postgraduate Diploma in Third Level Learning and Teaching

Six modules offered in this academic year of which students will choose 3:
(a) Problem-based learning
(b) Online learning
(c) Key skills and career management
(d) Psychology of learning
(e) Research methods in higher education
(g) Management in higher education.

3. Masters (MA) in Third Level Learning and Teaching.
MA participants will complete an educational research thesis which combines academic rigour with personal and professional relevance.

Participants on the programme will experience three different models of learning.

They will be encouraged to implement and adapt these models in their own teaching context. The Certificate is based on "Experiential Learning", the Diploma on "Problem-Based Learning" and the Masters (MA) on "Research-Based Learning".

Entry Requirements
Programme specific. Please contact the relevant programme co-ordinator as listed below.

Duration
Participation on these programmes generally involves attendance for a half day a week for the academic year. The Postgraduate Certificate, Wednesday 10am. - 1pm. Postgraduate Diploma, Tuesday 10 am. - 1 pm. MA classes take place on Thursday, 10am – 1pm. Participants on all programmes attend an induction programme.

How to Apply/Enrol
Contact the DIT Learning and Teaching Centre (see below).
Closing Date for Applications:

29th April 2005 for September 2005 entry. Call the Programme Administrator for 2005 entry information.

Programme Fee (See page 9)
Certificate & Diploma €1,660 per year. Masters: €1,660.

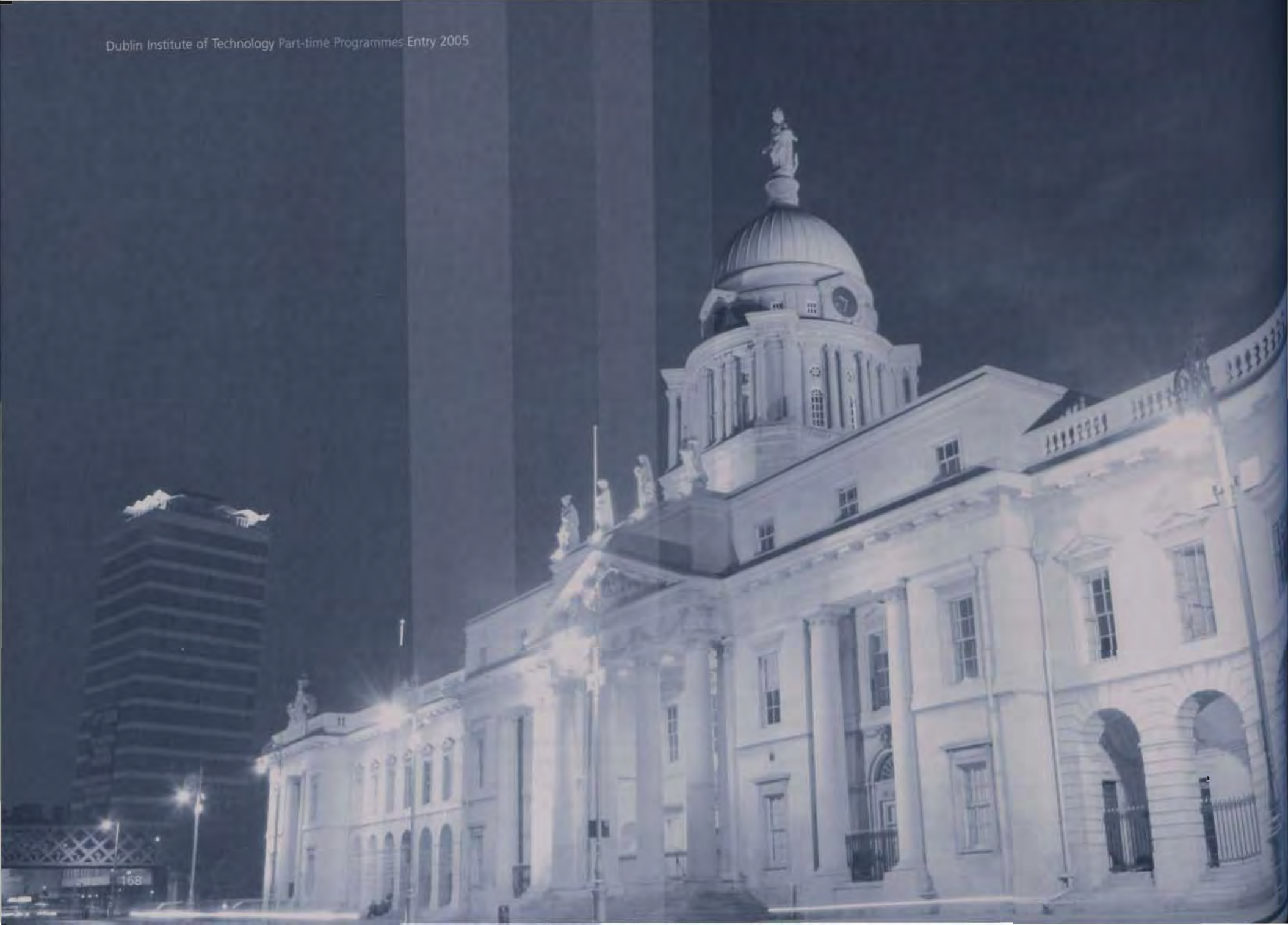
Award
Graduates are eligible for the following awards of the Dublin Institute of Technology:
(a) Postgraduate Certificate in Third Level Learning and Teaching
(b) Postgraduate Diploma in Third Level Learning and Teaching
(c) Masters (MA) in Third Level Learning and Teaching.

Further Information
Contact the Programme Administrator:
Ms Linda Boyd,
DIT Learning and Teaching Centre,
14 Upper Mount Street, Dublin 2
t +353 1 402 7875
e learning.teaching@dit.ie
w www.dit.ie/learningteaching/index.hmtl

To discuss the programme after receiving this information, contact:
Postgraduate Certificate Coordinator:
Ms Roisin Donnelly,
DIT Learning and Teaching Centre,
14 Upper Mount Street, Dublin 2
t +353 1 402 7886
e roisin.donnelly@dit.ie
or
Postgraduate Diploma Co-ordinator:
Ms Marian Fitzmaurice
DIT Learning and Teaching Centre
14 Upper Mount Street, Dublin 2
t +353 1 402 7861
e marian.fitzmaurice@dit.ie
or
Masters' Co-ordinator,
Ms Anne Murphy,
DIT Learning and Teaching Centre,

14 Upper Mount Street, Dublin 2.
t +353 1 402 7881
e anne.murphy@dit.ie

Location
DIT Learning and Teaching Centre,
14 Upper Mount Street, Dublin 2.



INDUSTRY EDUCATION & TRAINING SERVICES

Industry Education and Training Services

While DIT has been delivering on-site courses for many years, the Institute is experiencing an increase in demand for customisation in programme design, access to accreditation and flexibility in delivery. DIT has noticed a demand from industry for programmes which help to upskill employees in order to remain competitive. Employees are seeking flexible delivery of training close to their workplace or home because of lifestyle issues, such as longer commuting time and childcare.

DIT is responding to these needs through the development of flexible and customised programmes. In addition we are already implementing a significant e-learning and modularisation programme.

Integrating Learning and Work

When working with industry we believe in a collaborative approach. Our experience shows that collaborative relationships result in the best programmes delivered to the highest standards.

"Implementation of our recommendations will require a new commitment and energy from many groups ... a focus by individuals, companies and education on developing the potential of all to participate fully in the knowledge economy."
(Eoin O'Driscoll, Chairman, Enterprise Strategy Group, July 2004)

With six Faculties and specialised Development Centres, DIT can provide a 'one stop shop' for almost all industry education and training needs. From on-site delivery of customised courses, which range from one day workshops to courses delivered over several years, and with an extensive part-time evening and post-graduate programme, we can meet your needs. Our specialist Development Centres, such as the National Institute for Transport and Logistics (NITL), Ireland's 'Centre of Excellence' for the provision of a national training service in supply chain management, provide training courses that successfully combine the best academic frameworks with workplace application.

Academic staff are supported by DIT's Learning & Teaching Team which promotes the latest developments in curriculum design, programme development and delivery methods to them.

Quality Assurance and Certification

The National Qualifications Authority of Ireland (NQAI) has launched a national qualifications framework. Under the framework DIT is one of four awarding bodies and makes awards from level 6 (Higher Certificate) up to level 10 (doctorate). As part of our long commitment to access to, and progression in education, we make sure that our awards are consistent with the qualifications framework.

All courses receiving awards must meet the standards and criteria demanded by the Institute's Quality Assurance System.

DIT has for some years recognised that organisations may have an urgent requirement for the development and delivery of a programme.The Institute has a special fast track arrangement for the accreditation of continuing professional development courses, which respond to needs of the business community whilst meeting quality assurance requirements.

Further Information
If you would like to receive more information on DIT's industry education and training service contact DIT's Corporate Training Unit. The Unit can advise you on the education and training services provided by the Institute and may also facilitate the development and delivery of programmes.

Sandra Fisher
Head of Corporate Training Unit
Dublin Institute of Technology
Fitzwilliam House,
30 Upper Pembroke Street, Dublin 2
t +353 1 402 3308
f +353 1 402 3399
e sandra.fisher@dit.ie
w www.dit.ie/ctu

Alternatively, you may contact directly the specialist Development centres or the appropriate faculty-based Head of Innovation and Industry Services as listed in the next section.

Heads of Innovation and Industry Services

Within each Faculty DIT has appointed a Head of Innovation and Industry Services. The role of the Heads of Innovation and Industry Services is to oversee the development of industry-funded research, consultancy and training activities in addition to interacting and supporting our specialist Development Centres:

Faculty of Applied Arts
Dr John Donovan
Director's Suite
DIT Rathmines Rd
Dublin 6

t +353 1 402 3476
f +353 1 402 3487
e john.donovan@dit.ie

Faculty of Business
Andy Maguire
Room G305
DIT Aungier St
Dublin 2

t +353 1 402 3009
f +353 1 402 3074
e andy.maguire@dit.ie

Faculty of the Built Environment
David Kirk
DIT Dominick Court
41 Lower Dominick St
Dublin 1

t +353 1 872 9020
f +353 1 872 9126
e david.kirk@dit.ie

Faculty of Engineering
Tom Flanagan
DIT Zhivago Building
68-72 Capel St
Dublin 1

t +353 1 402 3616
f +353 1 402 3996
e tom.flanagan@dit.ie

Faculty of Science
Dr Peter Kavanagh
Room 107a
DIT Kevin St
Dublin 8

t +353 1 402 4583
f +353 1 402 4997
e peter.kavanagh@dit.ie

Faculty of Tourism and Food
Jean Cahill
DIT 31 Marlborough Street
Dublin 1

t +353 1 814 6080
f +353 1 874 8572
e jean.cahill@dit.ie

Applied Research, Consultancy & Training Centres

Applied Optoelectronics Centre

Manager: Thomas Freir
DIT Kevin Street, Dublin 8.

Programmes/Industry/Areas of Expertise
The Centre provides training, consulting and research in the field of optical fibre technology and communications. The Centre's suite of training programmes includes optical fibre technology, DWDM, SDH, ATM, ISDN, frame relay, introduction to telecoms, data cabling installations, data cabling planning, radiation safety for mobile comms, advanced optical network design.

t +353 1 402 4659
f +353 1 475 6669
e aoc@dit.ie
w www.aoc.ie

Centre for Industrial and Engineering Optics

Manager: Dr. Suzanne Martin
DIT Kevin Street, Dublin 8.

Programmes/Industry/Areas of Expertise
The IEO Centre (Industrial & Engineering Optics) specialises in developing holographic recording materials for measurement, display, data storage and spectroscopic applications as well as optical systems for measurement and defect detection. It provides R&D and problem solving services to industry in the areas of optics and holography. A part time course in amateur display holography is also offered.

t +353 1 402 4613
f +353 1 402 4988
e ieo@dit.ie
w www.ieo.dit.ie

Centre for Social and Educational Research (CSER)

Director: Dr Nóirín Hayes
DIT 23 Mountjoy Square, Dublin 1

The CSER is an independent research and policy analysis centre.

Research Expertise in the domains of:
- Early Childhood Care and Education
- Residential and Social Care
- Juvenile Justice

t +353 1 402 7609
t +353 1 402 3455/3465

Digital Media Centre

Manager: Charlie Pritchard
DIT Aungier Street, Dublin 2.

Programmes/Industry/Areas of Expertise
The Digital Media Centre offers consultancy and research services in the areas of digital content development and delivery. The primary work of the centre is focused around four key themes:
- virtual environments for cultural heritage
- concepts of interactivity and interaction design
- new forms of open and distance learning
- the application of mobile and broadband systems to deliver rich content.

t +353 1 402 3026
f +353 1 402 3293
e pritchard@dit.ie
w www.dmc.dit.ie

Food Product Development Centre

Manager: Fiona Walsh
31 Marlborough Street, Dublin1

Programmes/Industry/Areas of Expertise
The Food Product Development Centre provides a range of services in all food areas including new product development, food safety management and sensory analysis. The Centre also provides training programmes for companies and individuals. Programme duration can vary and can be presented in a modular format as required. Where appropriate, participants receive a DIT Certificate in Continuing Professional Development on completion of a programme. Current accredited programmes offered by the Centre include hygiene and HACCP training and implementation; introduction to food labelling; sensory analysis; introduction to the food service industry; cooking with meat and poultry products; introduction to seafood and sauce cookery. Other programmes can be designed specifically to suit a client's needs.

t +353 1 814 6084
f +353 1 874 8572
e fpdc@dit.ie
w www.fpdc.dit.ie

Media.& Arts Production Unit

Manager: Gráinne O'Rourke
DIT Rathmines Road, Dublin 6

Programmes/Industry/Areas of Expertise
The DIT Media & Arts Production Unit has a wide range of short training programmes available at both professional and entry level. Many of its professional level programmes are offered in conjunction with the National Film and Television School (NFTS, UK). Programmes include Introduction to Photography, Digital Imaging, ProTools™, Video Production, TV Studio Production, Radio Skills and Final Cut Pro.

In conjunction with the NFTS, DIT now offers a unique and exclusive modular joint programme leading to the award of Master of Arts in Film and Television. This course has been specifically designed with the interests of freelance industry professionals in mind and offers specialisations in: Production, Direction, Cinematography, Screen Sound, Editing and Screen Design.

t +353 1 402 7829
f +353 1 402 3487
e mediaproduct@dit.ie

National Maintenance Centre

General Manager: Enda Hogan
DIT Dominick Court, 41 Lower Dominick Street, Dublin 1.

The National Maintenance Centre (NMC) was established to promote and facilitate change in the field of maintenance technology and maintenance management to support the competitiveness of Irish industry.

The Centre provides education, training, and consulting services to manufacturing companies throughout Ireland across a wide range of mechanical, electrical and electronic engineering topics.

Public Seminar Programme
A full programme of public courses and seminars is available throughout the year. This programme addresses a range of maintenance engineering topics at introductory, intermediate and advanced levels. Programmes are typically of one to three days in duration. Full details are published on the centre's website.

Customised Training Programmes
The NMC has developed particular expertise in developing and, where required, accrediting customised training programmes. The Centre can draw on considerable expertise within the Faculty of Engineering and, in addition, has a panel of consultant trainers to support the delivery of programmes outside Dublin. The NMC can also provide access to specialist workshops and training rooms within DIT.

Certificate in Maintenance Technology Programme
The Centre has developed a **Certificate in Maintenance Technology programme.**
This programme is very popular with companies that are cross-skilling and upskilling their maintenance teams. It is suitable for delivery to groups of four or more and is available nationwide.

Features include:
Modular programme
Fully accredited
Tutor-led distance learning approach
On-site tutorials and assessments
Highly developed learning materials
Flexible delivery and assessment
Practical hands-on learning
Available nationwide
Work-based learning

Other services
The Centre also offers a number of direct consulting services including Skills Audits, Maintenance Audits and Mentoring.

t +353 1 872 9084/878 3773
f +353 1 872 9126
e enda.hogan@nmc.ie
w www.nmc.ie

National Institute for Transport and Logistics

Director of Learning: Edward Sweeney,
17 Herbert Street, Dublin 2.

Programmes/Industry/Areas of Expertise

NITL (The National Institute for Transport and Logistics) was established in 1998 by the Irish Government as Ireland's Supply Chain Management (SCM) Centre of Excellence in recognition of the key role that SCM plays in creating competitive advantage for Irish business. The Institute's mission is to promote the development of supply chain excellence in Irish organisations, both private and public, for the benefit of the Irish economy.

NITL's mission reflects the strongly held belief that SCM is an increasingly important determinant of competitive advantage and is a key business process for companies. This is in line with NITL's "Business Model of the 21st Century" which recognises that world class companies are increasingly focusing their effort and, therefore, their resources, on new product introduction (with R&D and design management at its core), marketing (with brand management at its core) and SCM. This can only bring competitive advantage if companies can consistently deliver high levels of customer service at the optimum total supply chain cost – this is where SCM plays a fundamental role.

NITL offers a range of SCM learning programmes which are aimed at all levels of experience and/or academic achievement. NITL's learning programmes continue to make a substantial contribution to improving SCM skill levels across the island with the result that the Institute is now firmly established as one of the key providers of SCM education in Ireland.

NITL is currently expanding its portfolio of activities to encompass transport policy, regulation, finance and management to meet the challenges of EU enlargement and globalization of trade.

t +353 1 669 0806
f +353 1 661 1943
e info@nitl.ie
w www.nitl.ie

NSSC Software

Manager: Ciaran O'Driscoll
DIT Kevin Street, Dublin 8.

Areas of Expertise

NSSC Software, established in 1997, is committed to providing technical and consultancy services for the software, satellite and telecom sectors in addition to engaging in research and development projects. NSSC possesses a broad technical knowledge base and experience in developing end-to-end software solutions for a broad client base. Potential clients may avail of experienced developers in Java, C, C++, Visual Basic and Perl while utilising our expertise of telecom protocols, web site development, location based services, and satellite or GPS Solutions. NSSC offer product development and research services for industrial partners.

t +353 1 402 4796
e NSSC@dit.ie
w www.NSSCsoftware.com

PDC

Manager: Bernadette O'Reilly
Docklands Innovation Park, 128-130 East Wall Road,
Dublin 3

PDC is an innovative incubator providing Irish entrepreneurs with a comprehensive range of services and facilities, enabling them to develop and grow sustainable, successful businesses. The key supports available to our clients include enterprise development programmes, incubation space & facilities, business counselling, funding and access to R&D expertise.

Over the past 20 years the PDC has helped some 450 businesses to develop and grow. The Centre's outcomes stand up very well against international norms and the Centre's model has now been adopted by many other organisations both in Ireland and abroad.

The PDC offers a range of development programmes and supports to entrepreneurs.

Prospect Programme

Prospect aims to help academic researchers to develop their commercial thinking. Intended as a pre-start-up programme, Prospect combines a series of interactive workshops, coaching, business counselling and networking events which help the academic researcher to explore the options for the commercialisation of their work.

Hothouse Programme

The Hothouse Programme helps entrepreneurs of knowledge-intensive businesses to start up and build firms with global potential. The programme comprises: practical workshops, strategic business advice, office space and facilities, access to funding, access to DIT research resources and the PDC network.

The programme is designed to help participants develop the necessary entrepreneurial skills and extend their practical business knowledge to enable them to start and grow sustainable companies. Launched in 2001, the programme has to date provided training and support to 90 entrepreneurs. Earlier this year the Hothouse Programme was certified by the DIT Faculty of Business as a Continuing Professional Development Postgraduate Diploma in New Business Development.

Fast Growth Programme
The Fast Growth Programme targets dynamic Irish companies that are facing the challenges of growth and provides them with a range of training and business counselling inputs to enable them to capitalise on these growth opportunities. Forty-seven companies have participated in the programme to date.

t +353 1 240 1300
f +353 1 240 1310
e info@pdc.ie
w www.pdc.ie

Radiation and Environmental Science Centre

Manager: Fiona Lyng
Focas Institute, DIT Kevin Street, Dublin 8

Areas of Expertise
The Radiation and Environmental Science Centre specialises in radiation biology and environmental toxicology. The Centre has extensive experience in the identification of mechanisms by which radiation and other environmental mutagens damage biological cells. It has an international reputation in this area and has made major contributions to the understanding of the mechanisms involved in radiation induced damage. The Centre also has considerable expertise in the development of tissue culture models for human, fish and invertebrate systems. This combined expertise enables the Centre to study the mechanisms by which DNA - damaging agents, including radiation and heavy metals, kill, mutate or transform cells from different species.

t + 353 1 402 7972
e fiona.lyng@dit.ie

Tourism Research Centre

Manager: Elizabeth Kennedy
DIT Cathal Brugha Street, Dublin 1

Programmes/Industry/Areas of Expertise
The Tourism Research Centre provides independent research and development expertise for the tourism industry in Ireland. The Centre has a dedicated team of professionals offering marketing, tourism and research expertise to industry. As part of DIT the Centre has access to the considerable resources and expertise of its faculties.

Training
We offer customised training programmes (specific to your business needs). Our training programmes are complemented by our strong links to DIT faculties. Specific training programmes developed include:

- Marketing and Business Development workshops forSMEs

- Marketing:
  - Developing Marketing plans
  - Co-operative Marketing and Networking
  - Branding Workshops
  - Strategic Marketing for Tourism Enterprises
  - Innovation and Product Development
  - Web Design & Internet Strategy for Tourism Enterprises

- Managing Training and Staff Development
- Service Quality and Customer Care
- Heritage Walking Trail on the Landscape
- Tourism Finance and Operations
- Yield/Revenue Management
- Diplomatic Training in Culinary Arts
- Hospitality and Cultural Studies
- Hospitality Services for On-board Services in the Marine Industry
- Managing Intercultural & Multilingual Issues in the Irish Hospitality Industry
- Developing Entrepreneurial Skills for Small Businesses in Rural Tourism

In addition, the Tourism Research Centre offers the following services:
- Market Research
- Industry Trends and Comparative Research
- Marketing Plans and Strategies
- Mystery Shops branded as 'Hospitality Service Investigations'
- Employee Satisfaction Survey
- Customer Satisfaction Tracking
- Regional Development - county strategies and marketing plans

t +353 1 814 6080
f +353 1 874 8572
e tourism@dit.ie
w www.dit.ie/trc

INDUSTRY PROGRAMMES

The following pages contain information on industry programmes offered by Faculties/ Development Centres. All information on programmes is for guidance only and may be amended by the appropriate Faculty/Development Centre. Some of the programmes listed are offered on a regular basis and some on demand. Within Faculties/Development Centres there is the possibility of offering programmes customised to an individual corporate client's requirements.

The abbreviation "QA" means Quality Assurance. Programmes attracting credits under the European Credit Transfer System receive Continuing Professional Development Certificates and have been validated by the Institute's Quality Assurance Committee. The other programmes generally receive a Certificate of Attendance or other level/type of award as indicated.

Faculties/Directorate

Academic Affairs Directorate
Faculty of Applied Arts
Faculty of the Built Environment
Faculty of Business
Faculty of Engineering
Faculty of Science
Faculty of Tourism & Food

Centres

Applied Optoelectronics Centre
Centre for Industrial and Engineering Optics
Food Product Development Centre
Media & Arts Production Unit
National Institute for Transport and Logistics (NITL)
National Maintenance Centre (NMC)
National Satellite Services Centre (NSSC)
PDC
Tourism Research Centre

Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 7815
QA	N/A

Title	**Early Education for Classroom Assistants in Gaeltacht Primary Schools (on demand)**
Duration	105 hrs
Attendance	Generally delivered over a number of months
Web Address	www.dit.ie
Contact	Máire Mhic Mhathúna, t: 01 402 4204
QA	June 1997, 3 ECTS credits per module

Department of Printing & Graphic Communication

Title	**Digital Workflow Techniques for Managers**
Duration	12 weeks
Attendance	62 hours
Web Address	www.dit.ie
Contact	Eamon Byrne, t: 01 402 3780, e: eamon.byrne@dit.ie
QA	26 January 2004, 5 ECTS credits

Title	**Digital Workflow Techniques**
Duration	12 weeks, run on demand
Attendance	100 Hours Friday pm & Saturday am each week
Web Address	www.dit.ie
Contact	Eamon Byrne, t: 01 402 3780, e: eamon.byrne@dit.ie
QA	19 November 2001, 5 ECTS credits

Department of Legal Studies

Title	**Intellectual Property & Contract Law for New Media Technologies**
Duration	12 weeks
Attendance	Generally, 3 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Fergus Ryan, t: 01 402 3016, e: fergus.ryan@dit.ie
QA	21 February 2005, 5 ECTS credits

Title	**International Trade Law**
Duration	12 weeks
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	21 February 2005, 10 ECTS credits

Title	**Introduction to European Human Rights Law**
Duration	One academic year
Attendance	Generally, 3 hours of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	14 June 2004, 10 ECTS credits

Title	**Introduction to Employment Law**
Duration	One academic year
Attendance	Generally, at least 1.5hrs of lectures delivered one evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	13 May 2002, 5 ECTS credits

Title	**Introduction to Company Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Introduction to Contract Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Introduction to Constitutional Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	24 September 2001, 5 ECTS credits

Title	**Introduction to Criminal Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Introduction to Equity Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Introduction to European Union Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Introduction to Property Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Introduction to Tort Law**
Duration	One academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one morning/evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	19 November 2001, 5 ECTS credits

Title	**Foundations in Law - Civil**
Duration	One academic year
Attendance	3 hrs lecture, one evening
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	24 September 2001, 5 ECTS credits

Title	**Foundations in Law - Criminal**
Duration	One academic year
Attendance	3 hrs lecture, one evening
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	24 September 2001, 5 ECTS credits

Title	**Introduction to Family Law**
Duration	1 academic year
Attendance	Generally, at least 1.5 hrs of lectures delivered one evening per week
Web Address	www.dit.ie
Contact	Secretary, Dept of Legal Studies, t: 01 402 7181
QA	30 June 1999, 6 ECTS credits

FACULTY OF BUILT ENVIRONMENT

Innovation Services for the Built Environment

Title **Building Technology and Construction Management**
Duration 5 days
Attendance 5 days
Web Address www.dit.ie
Contact David Kirk, Office of Innovation & Industry Services, t: 01 872 9020, e: david.kirk@dit.ie
QA 15 March 2004, 5 ECTS credits

Title Timber in Building
Duration 2 months
Attendance 100 hours
Web Address www.dit.ie
Contact David Kirk, Office of Innovation & Industry Services, t: 01 872 9020, e: david.kirk@dit.ie
QA 1 December 2003, 5 ECTS credits

Department of Geomatics

Title **Coordinate and Reference Systems for Spatial Information**
Description The course is delivered via the Internet and is designed such that the average participant can expect to spend six to eight hours per week following the content, communicating on-line with the tutors, participating in on-line discussions and tutorials and completing assignments. Content may be studied either on-line or off-line using the CDROM provided. It is arranged in six themes, each of which will be covered, on average, over one or two weeks:
1.Describing position with co-ordinates
2.Defining and realising co-ordinate reference systems
3.Calculation in a co-ordinate reference system
4.From local to global co-ordinate reference systems
5.Manipulating co-ordinates
6.Position in Ireland
Pre-Course Workshop
All course participants will come together for a one-day workshop in the Dept of Geomatics to meet other participants, hear background presentations on co-ordinate reference systems, familiarise themselves with the on-line learning system through hands-on exercises and receive all relevant course material. The course will commence during the week following this workshop.
Duration 12 weeks
Attendance On-line course plus two half-day sessions in computer laboratory (once in September and once in January)
Web Address www.dit.ie
Contact Kevin Mooney, t: 01 402 3730, e: kevin.mooney@dit.ie
Audrey Martin, t: 01 402 3736, e: audrey.martin@dit.ie
QA 24 March 2004, 5 ECTS credits

Title **GIS Geographical Information Systems**
Duration 20 Weeks
Attendance 1 evening per week
Web Address www.dit.ie
Contact The Secretary (Elaine Ryan) t: 01 402 3674, e: elaine.ryan@dit.ie
QA N/A

Title **GPS – The Global Positioning System**
Duration 10 weeks
Attendance 1 evening per week + 2 Saturdays
Web Address www.dit.ie
Contact The Secretary (Elaine Ryan) t: 01 402 3674, e: elaine.ryan@dit.ie
QA N/A

School of Real Estate and Construction Economics

Title **Property Finance and Valuations**
Duration 10 Weeks
Attendance 100 hrs
Web Address www.dit.ie
Contact Martin Hanratty, t: 01 402 3699, e: martin.hanratty@dit.ie
QA 1 December 2003, 5 ECTS credits

Title **Safety Management in the Construction Industry**
Duration 5 Weeks

Attendance 1 evening per week for 3 hrs
Web Address www.dit.ie
Contact Myles Keaveney, t: 01 402 3958
QA N/A

School of Architecture

Title **Certificate in Design Studies**
Duration 60 weeks over 2 years
Attendance 2 evenings per week for 3hrs, 20 Saturdays for 4 hrs
Web Address www.dit.ie
Contact Dublin School of Architecture, Bolton St, D1 t: 01 402 3690
QA N/A

School of Construction

Title **Safe Pass Health & Safety Awareness Training**
Description A one day safety awareness training programme aimed at all people involved in construction, to ensure that they have a basic knowledge of health and safety
Duration One day programme
Attendance One day - 8.30 a.m. to 6.00 p.m.
Web Address www.dit.ie/DIT/built/constructionskills/B103_Safepass.html
Contact Amanda Byrne, t: 01 402 4014
QA N/A

Title **Building Technology**
Description To prepare students for the Dept of Education & Science technological examinations and City & Guilds of London surveying and levelling
Duration 28 classes over one year
Attendance 28 classes
Web Address http://www.dit.ie/DIT/built/constructionskills/b119buildt.html
Contact James Kelly, t: 01 402 4022
QA N/A

Title **Site Management Certificate**
Description This courses of studies has been designed to enable senior apprentices and craftspersons to qualify as technicians capable of filling supervisory positions in the construction industry
Duration Three years
Attendance One day and one evening per week
Web Address http://www.dit.ie/DIT/built/constructionskills/b120site.html
Contact James Kelly, t: 01 402 4022
QA N/A

Title **Plumbing and Mechanical Services**
Description This part time courses, which is at Level 4, is intended for craftspersons involved in the Plumbing/Mechanical Services industries. Its purpose is to enhance and develop existing skills and to provide, within a Modular framework, a sound understand ing of the technology and techniques, employed in today's Plumbing/ Mechanical Services industry. The main emphasis will be on system design and plant selection, management, employment and communication techniques and has been designed to compliment the experiences obtained in employment
Duration Two years
Attendance Two evenings per week
Web Address http://www.dit.ie/DIT/built/constructionskills/b131plumbing.html
Contact John Smartt, tel: 01 402 4025
QA N/A

Title **General Refrigeration**
Duration 3 per annum
Attendance 4 days
Web Address www.dit.ie
Contact Seamus Murran, t: 01 402 4017
QA 12 March 2001, 5 ECTS credits

Title **Communications in Construction**
This programme delivered to construction apprentices only
Duration 10 weeks (Stage 1) 10 weeks (Stage 2)
Attendance 20 hours
Web Address www.dit.ie
Contact Dr Pat McCormack, t: 01 402 3700
QA 28 February 2000, 5 ECTS credits

Title	**Decorative Plasterwork**
Description	To provide the participants with the necessary knowledge and skills to produce and fix decorative plasterwork to various dimensions and designs
Duration	28 weeks
Attendance	1 evening per week for 3 hours
Web Address	www.dit.ie
Contact	Martin Sneyd, t: 01 402 4057
QA	N/A

Title	**Signwork (Parts 1 & 2)**
Description	This course is designed to give painting and decorating craft persons and persons involved in the sign industry opportunities to improve their skills and knowledge in the preparation of sign work
Duration	28 weeks per part
Attendance	2 evenings per week – 5 hours
Web Address	www.dit.ie
Contact	Martin Sneyd, t: 01 402 4057
QA	N/A

Title	**Building Maintenance Management**
Duration	5 Modules
Attendance	36 hours per module
Web Address	www.dit.ie
Contact	Fred Hosford, t: 01 402 4016
QA	N/A

Title	**Woodcutting Machining**
Description	This course is designed to give students an appreciation and understanding of woodcutting machines to the standard of Junior Trade, Dept of Education & Science
Duration	28 weeks
Attendance	2 evenings per week, Mon/Wed 7-10pm
Web Address	www.dit.ie/DIT/built/constructionskills/index.html
Contact	James Kelly, t: 01 402 4022
QA	N/A

Title	**Woodturning**
Description	To give students and craftspersons hands-on experience on the use of the lathe
Duration	10 weeks
Attendance	hours per week, Mon 7-10pm
Web Address	www.dit.ie/DIT/built/constructionskills/index.html
Contact	James Kelly, t: 01 402 4022
QA	N/A

Title	**Domestic Oil Fired**
Description	This course is designed to meet the needs of those pursing a career at technician level in the oil fired industry
Duration	10 weeks
Attendance	1 evening or day per week
Web Address	www.dit.ie
Contact	John Smartt, t: 01 402 4025
QA	N/A

Title	**Advanced Refrigeration and Air Conditioning**
Description	To give students an opportunity to appreciate the techniques involved in refrigeration and air conditioning
Duration	28 weeks
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	Jim Ffrench, t: 01 402 4027
QA	N/A

FACULTY OF BUSINESS

School of Management

Title	**Management for Staff Nurses**
Duration	1 week
Attendance	9.30am – 5pm
Web Address	www.dit.ie
Contact	John Geraghty, t: 01 402 3237
QA	13 May 2002, 3 ECTS credits

Title	**Management for Clinical Nurse Managers**
Duration	2 Weeks
Attendance	9.30am – 5pm
Web Address	www.dit.ie
Contact	John Geraghty, t: 01 402 3237
QA	13 May 2002, 5 ECTS credits

School of Marketing

Title	**Internet "A to Z"**
Duration	10 weeks
Attendance	3 hrs (1 evening) per week
Web Address	www.dit.ie
Contact	Chris Farren, t: 01 402 7041
QA	N/A

FACULTY OF ENGINEERING

Department of Applied Technology

Title	**Programmable Logic Controllers (course code B149)**
Duration	22 weeks
Attendance	1 evening per week (3 hours)
Web Address	www.dit.ie
Contact	Pat Duke, t: 01 402 4033, John Brennan, t: 01 402 3853
QA	N/A

Title	**Hydraulics (course code B140 D)**
Duration	Academic year
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	Maeve Coyne, t: 01 402 3626 / Michael O'Hehir, t: 01 402 3854
QA	N/A

Title	**Maintenance Organisation (B140 B)**
Duration	Academic year
Attendance	1 evening per week, 7.00pm to 8.30pm
Web Address	www.dit.ie
Contact	Maeve Coyne, t: 01 402 3626 / Peter Murphy
QA	N/A

Title	**Mechanical Power Transmission (B140 E)**
Duration	Academic year
Attendance	1 evening per week, 8.30pm to 10.00pm
Web Address	www.dit.ie
Contact	Maeve Coyne, t: 01 402 3626 / Peter Murphy
QA	N/A

Title	**Mechanical Power Transmission (B140 E)**
Duration	Academic year
Attendance	1 evening per week, 8.30pm to 10.00pm
Web Address	www.dit.ie
Contact	Maeve Coyne, t 01 402 3626 / Peter Murphy
QA	N/A

Title	**General Maintenance Technology (B140 A)**
Duration	Academic year
Attendance	1 evening per week, 7.00pm to 9.00pm
Web Address	www.dit.ie
Contact	Maeve Coyne, t: 01 402 3626 / Peter Murphy
QA	N/A

Title	**NC/CNC Machine Setting and Operation (B146) Advanced Part Programming**
Duration	Academic year
Attendance	1 evening per week, 7.00pm to 10.00pm
Web Address	www.dit.ie
Contact	Maeve Coyne, t: 01 402 3626 / Ciaran Smith, t: 01 402 3848
QA	N/A

Title	**Electrical Systems**
Duration	Academic year
Attendance	2 evenings per week, 7.00pm to 10.00pm
Web Address	www.dit.ie
Contact	Maeve Coyne, t: 01 402 3626 / Tom Timmins t: 01 402 3844
QA	N/A

Department of Building Services Engineering

Title	**Simulation in Building Design**
Duration	10 weeks
Attendance	Online course plus attendance at 2 workshops
Web Address	www.dit.ie
Contact	Ken Beattie, t: 01 402 3822, e: ken.beattie@dit.ie
QA	14 June 2004, 5 ECTS credits

Title	**High Tech Assistive Technology Training Course (for private client)**
Duration	2 weeks
Attendance	2 weeks plus 20 hours of self-directed study
Web Address	www.dit.ie
Contact	Barry Duignan, t: 01 402 3881, e: barry.duignan@dit.ie
QA	3 March 2003, 4 ECTS credits

Department of Control Engineering

Title	**Introduction to Programmable Controllers (PLCs) and Automation Techniques/Industrial computing**
Duration	2 days
Attendance	2 days
Web Address	www.dit.ie
Contact	Sandra Fisher, t: 01 402 3308
QA	28 May 2001, 2 ECTS credits

Title	**Advanced Programmable Controllers (PLCs) and Automation Techniques/Industrial computing**
Duration	2 days
Attendance	2 days
Web Address	www.dit.ie
Contact	Sandra Fisher, t: 01 402 3308
QA	28 May 2001, 2 ECTS credits

Department of Electrical Services Engineering

Title	**Electrical Safety Seminar**
Duration	2 days
Attendance	2 days
Web Address	www.dit.ie
Contact	Richard O'Rourke, t: 01 402 4618
QA	N/A

Title	**Programmable Logic Controllers (PLCs)**
Duration	20 weeks (Pts A&B 10 weeks each)
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 4617
QA	N/A

Title	**Introduction to Computer Aided Draughting**
Duration	10 weeks
Attendance	2 hrs per week

Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 4617
QA	N/A

Title	**Updating Electrical Installation Technology (Intermediate/Advanced/Network Cabling)**
Duration	10 weeks per programme
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 4617
QA	N/A

Department of Engineering, Science and General Studies

Title	**Office Applications-Distance Learning (OADL)**
Duration	Bi-annually
Attendance	12 weeks
Web Address	www.dit.ie
Contact	Jim Kelly, t: 01 402 3801
QA	19 November 2001, 3 ECTS credits

Department of Transport Engineering

Title	**Vehicle Roadworthiness Tester (Light Commercial Vehicles)**
Duration	21 hours
Attendance	21 hours
Web Address	www.dit.ie
Contact	Tom Corrigan, t: 01 402 3605, e: thomas.corrigan@dit.ie
QA	1 December 2003, 2 ECTS credits

Title	**Vehicle Roadworthiness Tester (Heavy Commercial Vehicles)**
Duration	28 hours
Attendance	28 hours
Web Address	www.dit.ie
Contact	Tom Corrigan, t: 01 402 3605, e: thomas.corrigan@dit.ie
QA	1 December 2003, 2 ECTS credits

Title	**Fundamentals of Avionics (Pre FADEC)**
Duration	Developed for private client
Attendance	33 hours
Web Address	www.dit.ie
Contact	Aidan Rooney, t: 01 402 3804, e: aidan.rooney@dit.ie
QA	7th April 2003, 5 ECTS credits

Title	**Jet Engine Overhaul Procedures**
Duration	1 academic year
Attendance	1 academic year
Web Address	www.dit.ie
Contact	Aidan Rooney, t: 01 402 3804, e: aidan.rooney@dit.ie
QA	7th April 2003, 5 ECTS credits

Title	**Certificate in Turbo-jet Engine Technology & Aerospace Processes & Procedures**
Duration	1 academic year
Attendance	90 class contact hours
Web Address	www.dit.ie
Contact	Aidan Rooney, t: 01 402 3804, e: aidan.rooney@dit.ie
QA	7th April 2003, 5 ECTS credits

Title	**Introduction to the Aviation Industry**
Duration	1 year
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 3605
QA	N/A

Title	**Private Aircraft Pilots' Licence Theory**
Duration	16 weeks
Attendance	2 evenings per week
Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 3605
QA	N/A

Title	**Motor Vehicle Craft Studies, Compressed Air Systems, CI Engines**
Duration	3 ten week modules
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	The Secretary, t: 01 402 3605
QA	N/A

Department of Metal Fabrication and Welding

Title	**MMA and Oxy-acetylene Programme – Welding**
Duration	20 weeks
Attendance	1 evening per week, 6.30pm to 9:30pm
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

Title	**Gas Shielded Arc Welding**
Duration	20 weeks
Attendance	1 evening per week, 6.30pm to 9:30pm
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

Title	**MMA Advanced Plate and Pipe Welding**
Duration	20 weeks
Attendance	1 evening per week, 6.30pm to 9:30pm
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

Title	**Pipe Fabrication**
Duration	20 weeks
Attendance	1 evening per week, 6.30pm to 9:30pm
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

Title	**Inspection and Testing (NDT)**
Duration	20 weeks
Attendance	1 evening per week, 6.30pm to 9.30pm
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

Title	**Welding Repair Maintenance**
Duration	20 weeks
Attendance	1 evening per week, 6.30pm to 9.30pm
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

Title	**Art Metal Casting**
Duration	8 weeks
Attendance	1 evening per week
Web Address	www.dit.ie
Contact	Maeve Coyne t: 01 402 3626/Eddie Donohoe t: 01 402 4020
QA	N/A

FACULTY OF SCIENCE

School of Biological Sciences

Title	**Introduction Laboratory Haematology**
Duration	5 days
Attendance	5 days
Web Address	www.dit.ie
Contact	Joe Vaughan, e: jgvaughan@dit.ie
QA	21 February 2005, 3 ECTS credits

Title	**Laboratory diagnosis of Malaria**
Duration	3 days
Attendance	3 days
Web Address	www.dit.ie
Contact	Joe Vaughan e: jgvaughan@dit.ie
QA	27 September 2004, 2 ECTS credits

Title	**In Vitro diagnostic devices: principles manufacture & assessment**
Duration	55 hours
Attendance	55 hours, 5 modules
Web Address	www.dit.ie
Contact	Dr Fergus Ryan, t: 01 402 4564, e: fergus.x.ryan@dit.ie
QA	7 April 2003, 4 ECTS credits

Title	**Screening for genetic mutations in Thrombophilia**
Duration	5 days
Attendance	5 days
Web Address	www.dit.ie
Contact	Joe Vaughan e: jgvaughan@dit.ie
QA	3 February 2003, 3 ECTS credits

Title	**Introduction to Histology and Cellular Pathology**
Duration	1 week
Attendance	1 week
Web Address	www.dit.ie
Contact	Dr Helen Lambkin, t: 01 402 4911, e: helen.lambkin@dit.ie
QA	13 May 2002, 3 ECTS credits

School of Chemistry

Title	**Chemical Risk Assessment/Risk Management Training Programme**
Duration	8 days
Attendance	8 days plus project
Web Address	www.dit.ie
Contact	Dr Patricia Ennis, t: 01 402 4780, e: patricia.ennis@dit.ie
QA	7 April 2003, 12 ECTS credits

Title	**Introduction to Chemical Engineering**
Duration	5 days
Attendance	5 days
Web Address	www.dit.ie
Contact	Paul Ashall, t: 01 402 4777, e: paul.ashall@dit.ie
QA	13 May 2002, 3 ECTS credits

Title	**Handle with care**
Duration	Half day
Attendance	Half day
Web Address	www.dit.ie
Contact	Dr Patricia Ennis, t: 01 402 4780, e: patricia.ennis@dit.ie
QA	N/A

School of Mathematical Sciences

Title	**Calculus**
Duration	14 weeks
Attendance	14 weeks
Web Address	www.dit.ie
Contact	Maev Maguire, t: 01 402 4842, e: mmaguire@dit.ie
QA	26 January 2004, 5 ECTS credits

Title	**Linear Algebra**
Duration	14 weeks
Attendance	14 weeks
Web Address	www.dit.ie
Contact	Maev Maguire, t: 01 402 4842, e: mmaguire@dit.ie
QA	26 January 2004, 5 ECTS credits

School of Physics

Title	**Practical Display Holography**
Duration	16 hours
Attendance	4 lectures of one hour duration and 12 hours practical
Web Address	www.dit.ie
Contact	Vincent Toal t: 01 402 4560, e: vincent.toal@dit.ie
QA	1 November 2004, 2.5 ECTS credits

Title	**LabView for instrumentation and data acquisition**
Duration	2 days
Attendance	6 hours per day
Web Address	www.dit.ie
Contact	Dr Brian Bowe t: 01 402 7884/Dr Susanne Martin t: 01-402 4613
QA	N/A

FACULTY OF TOURISM & FOOD

School of Food Science & Environmental Health

Title	**Clinical Risk**
Duration	Six weeks
Attendance	One day per week for six weeks
Web Address	www.dit.ie
Contact	Victor Hrymak, t: 01 402 4529, e: victor.hrymak@dit.ie
QA	21 February 2005, 5 ECTS credits

School of Hospitality Management and Tourism

Title	**Communications and Customer Excellence**
Duration	24 hours (12 x 2 hour sessions)
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556
QA	26th May 2003, 5 ECTS credits

Title	**Revenue Management**
Duration	24 hours (12 x 2 hour sessions)
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556
QA	26th May 2003, 5 ECTS credits

Title	**Performance Management**
Duration	24 hours (12 x 2 hour sessions)
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556
QA	26th May 2003, 5 ECTS credits

Title	**Information Technology for the Hospitality Industry – Level 1**
Duration	12 Weeks
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Information Technology for the Hospitality Industry – Level 2**
Duration	12 weeks
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Management Principles – Level 1**
Duration	12 weeks
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Management Principles – Level 2**
Duration	12 weeks
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Hygiene and Safety**
Duration	12 weeks
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Introduction to Marketing**
Duration	12 weeks
Attendance	1 evening per week, 2 hrs per evening
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**The Effective Manager**
Duration	12 weeks
Attendance	2 hrs (1 evening) per week
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Performance Management Skills (New)**
Duration	12 weeks
Attendance	2 hrs (1 evening) per week
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Coaching for Customer Care (New)**
Duration	12 weeks
Attendance	2 hrs (1 evening) per week
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Title	**Revenue Management (New)**
Duration	12 weeks
Attendance	2 hrs (1 evening) per week
Web Address	www.dit.ie
Contact	Maria Ryan t: 01 402 7556 or Ann Conway t: 01 402 7554
QA	N/A

Department Of Baking Technology and Management (National Bakery School)

(National Bakery School has a 24hr helpline Tel. 01 402 4676 – Please leave name and telephone number and you will be contacted)

Title	**K204 Professional Baking – Bread**
Duration	20 weeks - 2 modules
Attendance	Weekly
Web Address	www.dit.ie/baking
Contact	Derek O'Brien, t: 01 01 402 4566, e: derek.obrien@dit.ie
QA	19 November 2001, 4 ECTS credits

Title	**K204G Professional Baking – German Breads (Programme held in Germany)**
Prerequisite	Completion of Professional Baking Programme K204 – Bread Course
Duration	1 week - 1 Module
Attendance	On site in Germany
Web Address	www.dit.ie/baking
Contact	Derek O'Brien, t: 01 402 4566, e: derek.obrien@dit.ie
QA	13 May 2002, 5 ECTS credits

Title	**K205 Professional Baking – Cake**
Duration	20 weeks
Attendance	Weekly
Web Address	www.dit.ie/baking
Contact	Derek O'Brien, t: 01 402 4566, e: derek.obrien@dit.ie
QA	19 November 2001, 4 ECTS credits

Title	**K205G Professional Baking – German Cake (Programme held in Germany)**
Prerequisite	Completion of Professional Baking K205 – Cake course
Duration	1 week - 1 module
Attendance	On site in Germany
Web Address	www.dit.ie/baking
Contact	Ann Marie Dunne, t: 01 402 4566, e: derek.obrien@dit.ie
QA	15 September 2003, 5 ECTS credits

Title	**K206 Professional Baking – Sweetbreads**
Duration	20 weeks – 2 modules
Attendance	Weekly
Web Address	www.dit.ie/baking
Contact	Derek O'Brien, t: 01 402 4566, e: derek.obrien@dit.ie
QA	13 May 2002, 5 ECTS credits

Title	**K207 Professional Baking – Pastries and Snacks**
Duration	20 weeks –2 modules
Attendance	Weekly
Web Address	www.dit.ie/baking
Contact	Derek O'Brien, t: 01 402 4566, e: derek.obrien@dit.ie
QA	13 May 2002, 5 ECTS credits

School of Culinary Arts and Food Technology

Title	**Professional Restaurant Service 1**
Duration	12 weeks
Attendance	12 weeks
Web Address	www.dit.ie
Contact	Frank Cullen, t: 01 01 402 4344
QA	N/A

Title	**Professional Restaurant Service 2**
Duration	12 weeks
Attendance	12 weeks
Web Address	www.dit.ie
Contact	Frank Cullen, t: 01 402 4344
QA	N/A

Title	**Oenology/Wine Studies**
Duration	January to June
Attendance	Four hours per week
Web Address	www.dit.ie
Contact	School Secretary, t: 01 402 4344, e: aveen.murray@dit.ie
QA	3 February 2003, 5 ECTS credits

Title	**Introduction to Food Service Industry**
Duration	January to June
Attendance	Two hours per week
Web Address	www.dit.ie
Contact	School Secretary, t: 01 402 4344, e: aveen.murray@dit.ie
QA	3 February 2003, 5 ECTS credits

Title	**Gastronomy**
Duration	January to June
Attendance	Two hours per week
Web Address	www.dit.ie
Contact	School Secretary, t: 01 402 4344, e: aveen.murray@dit.ie
QA	3rd February 2003, 5 ECTS credits

Title	**Marketing: Aesthetics (Culinary)**
Duration	January to June
Attendance	Two hours per week
Web Address	www.dit.ie
Contact	School Secretary, t: 01 402 4344 e: aveen.murray@dit.ie
QA	3 February 2003, 5 ECTS credits

Title	**Food Safety & Hygiene**
Duration	January to June
Attendance	Two hours per week
Web Address	www.dit.ie
Contact	School Secretary, t: 01 402 4344 e: aveen.murray@dit.ie
QA	3 February 2003, 5 ECTS credits

Title	**Communications and Customer Care**
Duration	January to June
Attendance	Two hours per week
Web Address	www.dit.ie
Contact	School Secretary, t: 01 402 4344 e: aveen.murray@dit.ie
QA	3 February 2003, 5 ECTS credits

APPLIED OPTOELECTRONICS CENTRE

Title	**Data Cabling Installation**
Duration	5 days
Attendance	7 hours per day
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	13 December 1999, 3 ECTS credits

Title	**Data Cabling for Planners**
Duration	3 days
Attendance	7 hours per day
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Optical Fibre Technology Overview**
Duration	2 days
Attendance	7 hours per day
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Synchronous Digital Hierarchy (SDH) Networks**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**ATM (Asynchronous Transfer Mode)**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**ISDN An Introduction**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**ISDN Intermediate Level**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Frame Relay and ATM (Asynchronous Transfer Mode)**
Duration	1 day

Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Dense Wavelength Division Multiplexing**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Safety Issues for Mobile Communications**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Introduction to Telecommunications**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Advanced Optical Network Design**
Duration	1 day
Attendance	7 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

Title	**Laser Safety Issues for Telecommunications**
Duration	1 day
Attendance	4 hours
Web Address	www.aoc.ie
Contact	Thomas Freir, t: 01 402 4659, e: thomas.freir@dit.ie
QA	N/A

CENTRE FOR INDUSTRIAL AND ENGINEERING OPTICS

Title	**Practical Display Holography**
Duration	16 hours
Attendance	4 lectures of one hour duration and 12 hours practical
Web Address	www.dit.ie
Contact	Vincent Toal t: 01 402 4560, e: vincent.toal@dit.ie
QA	1 November 2004, 2.5 ECTS credits

Title	**LabView for Instrumentation and data acquisition**
Duration	2 days
Attendance	6 hours per day
Contact	Dr Brian Bowe t: 01-402 7874/Dr Suzanne Martin t: 01-402 4613
Web Address	www.ieo.dit.ie
QA	N/A

FOOD PRODUCT DEVELOPMENT CENTRE

Title	**Introduction to the Food Service Industry**
Duration	100 hours
Attendance	100 hours
Contact	Keevagh Heverin, t: 01 814 6080
Web Address	www.fpdc.dit.ie
QA	3 February 2003, 5 ECTS credits

Title	**Introduction to Sensory Analysis**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	18 November 2002, 1 ECTS credit

Title	**Basic Food Hygiene**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	N/A due to short duration of programme

Title	**Introduction to HACCP**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	N/A

Title	**Writing a HACCP plan for Catering Operations**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	18 November 2002, 1 ECTS credit

Title	**Food Labelling Legislation Guide**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	N/A

Title	**Cooking with Meat and Poultry Products - Stage 1**
Duration	Delivered over 4 days
Attendance	Delivered over 4 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	24 September 2001, 3 ECTS credits

Title	**Cooking with Meat & Poultry Products – Stage 2**
Duration	Delivered over 5 days
Attendance	Delivered over 5 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	24 September 2001, 3 ECTS credits

Title	**Seafood and Sauce Cookery - Stage 1**
Duration	Delivered over 5 days
Attendance	Delivered over 5 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	24 September 2001, 4 ECTS credits

Title	**Product Styling and Development**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Introduction to Marketing for the Food Industry**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**New Product Development – Idea Generation & Creative Thinking in the Food Industry**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Sensory Analysis "Train the Trainer"**
Duration	2 days
Attendance	2 days

Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Sensory Analysis Profiling**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Nutrition for the Non-Nutritionists**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Environmental Legislation**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Vegetarian options made simple**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**A taste of the Mediterranean**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Flavours from the Far East**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Simply Sauces**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Professional Baking - Bread & Cakes**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Food Hygiene Train the Trainer**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Food Microbiology for Non-Microbiologists**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Key Pathogens – the ones to watch**
Duration	1 day

Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Food Hygiene Level 2 – Additional Skills**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Food Safety Skills for Management Level 3**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Business & Finance Plan development in the Food Industry**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Fundamentals of Branding & Marketing within the Food Industry**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Health & Safety Requirements for your Food Business**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Meat Technology (Slaughter, meat changes, refrigeration and stock control)**
Duration	3 days
Attendance	3 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Beef - Butchery Skills & Quality Assessment**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Sausage Manufacture**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Lamb - Meat Quality Assessment & Butchery Skills**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Food Hygiene Train the Trainer**
Duration	2 day
Attendance	2 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Pork - Quality Assessment & Butchery Skills**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Poultry - Quality Assessment & Butchery Skills**
Duration	2 days
Attendance	2 days
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Butchery - Counter Presentation Skills**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Knife Training**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

Title	**Predicting and Controlling Shelf-life of Foods**
Duration	1 day
Attendance	1 day
Contact	t: 01 814 6080, e: fpdc@dit.ie
Web Address	www.fpdc.dit.ie
QA	Certificate of attendance

MEDIA AND ARTS PRODUCTION UNIT

Title	**Introduction to Photography**
Duration	Ten weeks
Attendance	Approx. 3 hours per week
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	24 September 2001, 3 ECTS credits

Title	**Production Management for Documentary (Easter/Summer)**
Duration	5 days
Attendance	12-14 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

Title	**Non-linear Editing Avid or Final Cut Pro (FCP) (Easter/Summer)**
Duration	3 days
Attendance	6 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829 e: grainne.orourke@dit.ie
QA	N/A

Title	**Radio Skills (Easter/Summer)**
Duration	3 days
Attendance	6 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

itle	**Production Management for Drama (Easter/Summer)**
Duration	5 days
Attendance	12-14 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

Title	**Legal & Business Affairs (Easter/Summer)**
Duration	2 days

Attendance	12-14 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

Title	**Budgeting & Cost Control – Documentary or Drama (Easter/Summer)**
Duration	2 days
Attendance	12-14 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

Title	**Adobe Photoshop (January and June)**
Duration	3 days
Attendance	12 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

Title	**Non-linear Audio Editing – Pro-tools (Easter/Summer)**
Duration	3 days
Attendance	6 places
Web Address	www.dit.ie
Contact	Gráinne O'Rourke, t: 01 402 7829, e: grainne.orourke@dit.ie
QA	N/A

Courses delivered through the Media and Arts Production Unit are at 'introductory' level unless otherwise stated. Numbers are limited thereby ensuring the maximum hands-on learning for the participant.

NATIONAL INSTITUTE FOR TRANSPORT AND LOGISTICS

Title	**Introduction to Supply Chain Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01-669 0806
QA	N/A

Title	**Partnerships in Supply Chain Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Purchasing Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Warehousing and Inventory Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Quality Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Production Planning and Control***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Project Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Teamwork and Communication***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Understanding Customer Service***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**People Management***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Information Technology in the Supply Chain***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Business Strategy***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Contact	Olivia Noone, t:01 669 0806
Contact	www.nitl.ie
QA	N/A

Title	**Marketing***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Financial Management Fundamentals***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**The Systems Approach to Supply Chain Design***
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Contact	Olivia Noone, t: 01 669 0806
Web Address	www.nitl.ie
QA	N/A

Title	**Transport and Distribution Management**
Duration	20 hours
Attendance	Thursday evening, Friday, Saturday – 20 hours in total
Web Address	www.nitl.ie

Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Introduction to Supply Chain Management****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**European Logistics Strategies****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Partnerships in Supply Chain Management****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	Olivia Noone, t: 01 669 0806
Contact	www.nitl.ie
QA	N/A

Title	**Warehousing and Inventory Management****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Transport and Distribution Management***
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Quality Management Philosophy****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Project Management**
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t:01- 669 0806
QA	N/A

Title	**Production Planning and Control****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01-669 0806
QA	N/A

Title	**Change Management****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Human Resource Management****
Duration	40 hours
Attendance	2 x Thursday evening, Friday, Saturday – 40 hours in total
Web Address	www.nitl.ie
Contact	Olivia Noone, t: 01 669 0806
QA	N/A

Title	**Management Theory****
Duration	40 hours

QA	19 November 2001, 1 ECTS credit
Title	**Maintenance and Fault Finding for Automated Systems**
Duration	2 days
Attendance	2 days
Web Address	www.nmc.ie
Contact	Marie Phelan t: 01 872 9084, e: mphelan@dit.ie
QA	N/A
Title	**High Vacuum Technology**
Duration	2 days
Attendance	2 days
Web Address	www.nmc.ie
Contact	Marie Phelan t: 01 872 9084, e: mphelan@dit.ie
QA	N/A
Title	**Building Management and Energy Utilisation**
Duration	2 days
Attendance	2 days
Web Address	www.nmc.ie
Contact	Marie Phelan t: 01 872 9084, e: mphelan@dit.ie
QA	N/A
Title	**Introduction to Air Conditioning**
Duration	2 days
Attendance	2 days
Web Address	www.nmc.ie
Contact	Marie Phelan t: 01 872 9084, e: mphelan@dit.ie
QA	N/A
Title	**Introduction to Refrigeration Systems**
Duration	3 days
Attendance	3 days
Web Address	www.nmc.ie
Contact	Marie Phelan t: 01 872 9084, e: mphelan@dit.ie
QA	N/A
Title	**Advanced Refrigeration Systems**
Duration	2 days
Attendance	2 days
Web Address	www.nmc.ie
Contact	Marie Phelan t: 872 9084, e: mphelan@dit.ie
QA	N/A

NATIONAL SATELLITE SERVICES CENTRE

Title	**Information Technology Fundamentals**
Description	Computer and Networking course involving lecture, practical sessions and supervised mini-project. Topics: Computer Systems, Networking, End-User, Databases, Information Technology Centre
Duration	36 contact hours over 9 to 12 weeks
Attendance	1 evening per week
Web Address	www.nsscsoftware.com
Contact	Ciaran O'Driscoll, t: 01-402 4796, e: ciaran.odriscoll@dit.ie
QA	1 December 2003, 9 ECTS credits

PDC

Title	**PROSPECT programme, Module 1, Enterprise Evaluation**
Duration	3 months
Attendance	3 months
Web Address	www.pdc.ie
Contact	info@pdc.ie
QA	13 May 2002, 5 ECTS credits
Title	**PROSPECT programme, Module 2, Enterprise Strategy**
Duration	3 months
Attendance	3 months

Web Address	www.pdc.ie
Contact	info@pdc.ie
QA	13 May 2002, 5 ECTS credits

Title	**Fast Growth Programme**
Duration	8 months
Attendance	1 weekend per month
Web Address	www.pdc.ie
Contact	info@pdc.ie
QA	N/A

Title	**HOTHOUSE programme** **CPD Post graduate Diploma in New Business Development**
Duration	12 months
Attendance	1 weekend per month for 12 months (commences twice a year)
Web Address	www.pdc.ie
Contact	Sara Morgan, sara.morgan@pdc.ie
QA	June 2003

TOURISM RESEARCH CENTRE

Title	**Yield/Revenue Management**
Duration	2 days
Attendance	2 days
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 6087
QA	N/A

Title	**Marketing Research**
Duration	1 day
Attendance	1 day
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 6087
QA	N/A

Title	**Introductory Computing for the Hospitality Industry**
Duration	2 days
Attendance	2 days
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 5087
QA	N/A

Title	**Innovation and Product Development**
Duration	2 days
Attendance	2 days
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 6087
QA	N/A

Title	**Managing Intercultural and Multilingual issues in the Irish Hospitality Industry**
Duration	1 day
Attendance	1 day
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 6087
QA	N/A

Title	**Developing Entrepreneurial Skills for Small Businesses in Rural Tourism**
Duration	1 day
Attendance	1 day
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 6087
QA	N/A

Title	**Marketing for SMEs in Rural Areas**
Duration	8 days/evenings
Attendance	8 days/evenings
Web Address	www.dit.ie/trc/
Contact	Susan Heffernan, tel: 01 814 6087
QA	N/A

www.dit.ie

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