
Prospectus: Kevin Street

Kevin Street College

1988

Prospectus of Full-Time Courses: 1988-89

City of Dublin Vocational Education Committee

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CDVEC City of Dublin Vocational Education Committee

Dublin Institute of Technology

**COLLEGE OF TECHNOLOGY
KEVIN STREET, DUBLIN 8**

**PROSPECTUS
1984-85**

Coiste Gairm-Oideachais Chathair Bhaile Átha Cliath

CALENDAR

FÉILIRE

SESSION 1984-85

1984		TERM 1:
SEPT.	Monday 3	Commencement of Session.
	Tuesday 4	Commencement of apprenticeship courses except where otherwise arranged.
	Monday 10	Interviews and enrolments for Part-time & Evening Courses commence except where otherwise arranged.
	Monday 17	Wholtime classes commence except where otherwise arranged.
	Monday 24	Part-time and evening classes commence except where otherwise arranged.
	Wednesday 26	Votive Mass. All classes closed.
DEC.	Friday 21	Final class meetings of first term.
1985		TERM 2:
JAN.	Monday 7	All classes resume.
FEB.	Wednesday 20	Latest date for receipt of College Examinations entries.
MARCH	Friday 1	Closing date for applications to whole-time courses through the DIT Admissions Office for 1985/86 session.
	Monday 18	Classes closed (in lieu of St. Patrick's Day).
APRIL	Tuesday 2	Final class meetings of second term.
		TERM 3:
APRIL	Monday 15	All classes resume.
MAY	Monday 20	Commencement of College Summer examination programme except where otherwise arranged.
JUNE	Thursday 20	All classes terminate except where otherwise arranged.

Block Release Dates for Engineering Trades:

Term 1:	1984	Monday 1 October to Friday 14 December.
Term 2:	1985	Monday 7 January to Friday 22 March.
Term 3:	1985	Monday 25 March to Friday 20 June.

Classes will be closed on Public Holidays during the session (e.g. 29th October, 3rd June) and on Church Holidays e.g. (1st November) except where otherwise arranged.

- NOTE: —**
- (a) This Calendar is subject to alteration during the session.
 - (b) The information in this prospectus is intended as a guide for persons seeking admission to the College and shall not be deemed to constitute a contract, or the terms thereof, between the College and a student or any third party.
-

PROSPECTUS 1984-85

COISTE GAIRM-OIDEACHAIS
CHATHAIR BHAILE ÁTHA CLIATH

CITY OF DUBLIN VOCATIONAL
EDUCATION COMMITTEE

INSTITIÚD TEICNEOLAÍOCHTA
BHAILE ÁTHA CLIATH

DUBLIN INSTITUTE
OF TECHNOLOGY

COLÁISTE TEICNEOLAÍOCHTA

**COLLEGE OF
TECHNOLOGY**

KEVIN STREET
DUBLIN 8

Telephone: 757541-6

Principal: F. M. Brennan,
DipEE, CEng, MIEI, MIERE, AMIEE

RÉAMHEOLAIRE 1984-85

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Mr. Thomas Holt

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Mr. James O'Keeffe

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Student Representative

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Tel. 766584

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BHAILE ÁTHA CLIATH**

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O. McNulty, CEng FIEI ARTCS MIMStructE
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C. Nutty, BA MPA SMS
B. J. O'Connor, CEng MIERE
M. O'Donnell, MEconSc BE BComm CEng MIProde FIEI
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A. Prendergast, BComm HDip
M. Proctor, MSc MIFSTI MIHCI
E. J. Rothery, BSc CChem FRIC FICI MIBiol
B. A. Ryan, MSc MICI MIBiol
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P. Sullivan, BA HDipEd
J. K. Taaffe, BSc MSc MInstP MBA HDipEd Dip in Prod, Barrister-at-Law
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Academic Registrar: Vacant

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Mr. Desmond Fay

Dr. Brendan Finucane

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Mr. Thomas Holt

Mr. Finn Lawless

Student Representative

Staff Representative

COMHAIRLE AN CHOLÁISTE

SCIENCE AND RELATED COURSES

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DipSupLingAppl
Dermot Campbell, MA

DEPARTMENT SECRETARY:

Mrs. June Carroll

STAFF LECTURERS:

Christina Albertini, MA
Josianne Deloivre, Licence es Lettres,
Maitrise es Lettres Modernes
Mary Faulkner, BA, HDipEd
Paul Gilmer, BA, BHd, BD
Marie Guilfoyle, BA, HDE
Brendan Halligan, BA, MA
Seamus Lynch, MEconSc, MA, Bcomm,
DPA
Robert McMahon, BComm, MBS
Jennifer Moreton, MA, HDipEd
Kathleen Muldowney, BA, HDipEd
Janet Ryan, MA, HDipEd
Mary Ryan, BA, HDipEd
Daragh Smyth, BSocSc, DipEd
Colette Weaire, MA

PART-TIME LECTURERS:

Peter Bohan, BSc, HDipEd
Eve Downey, BA(Mod)
Jutta Kankel Breatnach, Dipl-Ubers
Christa Droth-Wagner, Staatsexamen
Michael Hofstadt, Staatsexamen
Peter Lennon, BBS

Linda McCarthy, BA, HDipEd
Michael Mulreany, MA, HDipEd
Mary Nolan, MA
Mary O'Brien, BA, HDipEd
Philip O'Brien, BA, Barrister at Law
Almut Schlepper, Staatsexamen
Rhaya Wall, Maitrise-es-Lettres

TECHNICAL STAFF:

Anthony Breen

MECHANICAL WORKSHOPS AND DRAWING UNIT

LECTURERS-IN-CHARGE:

Patrick Connell, (Workshops)
David Naessens, (Drawing)

STAFF LECTURERS:

B. Goulding
R. Hatton
P. McGloin

PART-TIME LECTURERS:

D. Byrne
J. Byrne
P. Chaney
J. Connell
P. O Duill
P. Gallagher
G. Graham
G. Keeley
K. Howell
T. Lavery
E. Oakes
S. O'Flynn
L. Phillips

TECHNICAL STAFF:

P. O'Reilly
M. Scanlon

BAKERY UNIT

STAFF LECTURERS:

Daniel T. Carey, NBDip, TechDip, C & G,
MIIB
W. Graham, Full TechDip
E. Kane
D. O'Brien, NBDip, Full Tech Dip, C & G,
MIIB

PART-TIME LECTURERS:

S. Anthony
R. A. D'Arcy
W. Fitzsimons
J. Humphries
Mrs. M. Long
P. Maguire
B. Mealy

TECHNICAL STAFF:

T. Ahern, Inter C & G
J. O'Neill

**DEPARTMENT OF ELECTRICAL
INSTALLATION**

HEAD:

Desmond McManus, FTC(EEP), C & G

ASSISTANT HEADS:

G. Murphy, BA, MEd(Hon), TEng(CEI)
HDipEd, MIElectIE
J. O'Donnell, BA, TEng, HDipEd,
(CEI), MIElectIE

LECTURER-IN-CHARGE:

Ignatious Tighe

DEPARTMENT SECRETARY:

Miss Margaret O'Keefe

STAFF LECTURERS:

E. Barber, Final (EEP), C & G
J. Boyle, TEng (CEI), MIElectIE, FTC,
(EEP) C & G
R. Byrne, BA, FTC (EEP), C & G,
HDipEd
J. Cahill, TEng (CEI), MIElectIE
T. Colohan, FTC(EEP), C & G
P. Cosgrove, FTC (EEP), C & G
J. Davis, FTC (EEP), C & G
T. Dillon, BT, ITC(EEP), C & G, HDipED
G. Eastwood, Final (EEP) Dept of Ed.
G. Farrelly, HNC(EE), ETC(C&G)
M. Farrelly, Tech (CEI), MSERT, C & G
P. Gough, Final (EEP), C & G, Final (EEP)
Dept. of Ed.
T. Grandison, FTC (EEP), C & G, MIElectIE
K. Kelly, TEng (CEI) MIElectIE
V. Kenny, TEng (CEI), MIElectIE
S. Lyons, Final (EEP), C & G. MIElectIE

M. Maher, TEng (CEI), FTC, HIElectIE,
FTC (EEP), C & G
R. McCann, BA, Final (EEP), Dept of Ed,
HDipEd
R. McCarthy, FTC (EEP), C & G
T. Nugent, Final (EEP), Dept of Ed
J. O'Brien, FTC (EEP), C & G
K. O'Connell, FTC(EEP), C & G
K. O'Farrell, FTC C & G (EEP) Dept. of Ed.
R. O'Rourke, FTC (EEP) C & G
S. Sludds, BA, FTC (EEP), C & G,
HDipEd
W. Traynor, FTC (EEP), C & G, TEng
(CEI), MIElectIE

PART-TIME LECTURERS:

F. Ashworth
P. Behan
D. Braiden
D. Breen
M. Breen
B. Casey
T. Carton
G. Eastwood
M. Evans
P. Gough
A. Grant
P. Green
G. Hartigan
A. Jameson
K. Kelly
J. Kenny
D. Lalor
B. McNally
N. Minihan
B. Murphy
P. Neill
J. O'Driscoll
K. O'Farrell
C. Quinn
M. B. Roberts
G. Ryan
D. Sheedy
L. Trundle

TECHNICAL STAFF:

J. Butler
T. Clerkin
J. Comerford
P. Harding
L. Manning
N. Masterson
E. Murphy

CLERICAL STAFF:

James Behan
Maurice Boland
Joan Horgan
Jackie Harrington
Mrs. Lillian Nolan
Brenda McClean
Colm O'Regan
Dymphna White

PHYSICAL EDUCATION UNIT

LECTURER-IN-CHARGE:

S. Byrne, BA, DipPE, DipEd
London University

Ken Doyle
H. Kilbride
A. Byrne
J. Delaney
R. Greenlee
C. Hardy
N. Keisser
D. Levey
J. McMahon
A. Carey
D. Tully

TECHNICAL STAFF:

Elma Flanagan, MSGAI
A. Cromie, AMIRT, (C & G)
C. Ingle, MIRT, (C & G)

SENIOR LIBRARIAN:

Mary Davis

MAINTENANCE SUPERVISOR:

Andrew Farrelly

CHAPLAINS

CATHOLIC:

Fr. B. Murray, SJ.
Fr. R. Geary, SJ.

ADMINISTRATION

SECRETARY/REGISTRAR:

David C. Spring

ACCOUNTS OFFICE:

Frances Cavanagh

REGISTRATIONS/ADMISSIONS OFFICE:

Honora Fleming

EXAMINATIONS SECRETARY:

Mairead Mullen

SECRETARY TO THE PRINCIPAL:

Anne-Marie O'Connell

SECRETARY TO REGISTRAR:

Linda Roche

Students are expected to make themselves aware of the following regulations of the College.

Admission to Courses and Enrolment

1. Enrolment for courses for the session 1985-86 will not be effected before September 1st 1985.
2. Application for the Courses listed below should be made to the CAO (Central Applications Office), Tower House, Eglinton Street, Galway on the appropriate form available on request from the CAO. (Closing date — 1st February 1985). The CAO handbook giving details of application procedures and closing dates is issued with the application form. Mature and overseas students, together with students applying for the second or subsequent years of a degree course should apply directly to the College and not to the CAO (closing date — 1st February 1985).

College Code	CAO Code	Course Description
SEE	FT 21	Honours Diploma in Elect. Engineering
WSAD	FT 22	Diploma in Applied Sciences
WBD	FT 23	BSc (Human Nutrition)

3. Applicants for any of the courses listed below, including special cases, should apply by completing the standard application form available on request from: —

**The Admission's Office,
Dublin Institute of Technology,
14 Upper Mount Street,
Dublin 2.**

Completed application forms should be forwarded to the above address by Friday, 1st March 1985.

College Course Code	Course Description
WML	Certificate in Medical Laboratory Sciences
WMT	Technician Diploma in Computer Science
WAS	Technicians' Diploma in Applied Science
WSO	Diploma in Ophthalmic Optics
WBT	Diploma in Bakery Production and Management

WEET	Technicians' Engineering Diploma/Electrical Engineering
WRTT	Technicians' Engineering Diploma/Telecommunications & Electronics
WRS	Technician Diploma in Electronic Engineering
WRCE	Technician Certificate in Electronics

4. In the session 1985-86, the latest date for admission of students to classes commencing in the first term is 16th October, 1985. Only in exceptional circumstances will applicants be admitted after that date and a late entry fee of £30 will be payable. Under no circumstances will such applicants be admitted after 31st December, 1985.
5. Intending students should note the statement on Entry Requirements for admission to the College on page 23. Before acceptance of an application for admission to classes or courses, the applicant may be required to attend in person for interview and the College must be satisfied as to his/her ability to benefit from the proposed classes or courses. Approval in this respect must be endorsed on the enrolment form by the Principal, Vice-Principal, appropriate Head of Department or the teacher designated for the purpose. The College may require an applicant to submit to and pass an entrance test and/or a suitability test before admitting him/her to any class or course.
6. Fees must be paid in full on enrolment and may be paid by cash, bankers draft or money order. Cheques will only be accepted when written on production of a Bank Cheque Card.
- 7. The sole proof of enrolment in any class or course in the College is the Official Receipt for the class or course fees paid. The Official Receipt must be shown to the class teacher on first attendance at each class of the course. Teachers are authorised to refuse admission to any student who does not show his/her Official Receipt.**
8. Fees are not refundable except where a class or course does not form.
9. On first enrolment new students will be issued with an Identity Card. For this purpose and for the College records students must provide, at their own expense, three copies of a recent photograph (not returnable), of passport type and size. Students who were enrolled in the College in previous sessions must present the Identity Card previously issued to them for re-endorsement for the

new session. Where Identity Cards have been lost or are no longer usable, three copies of a recent photograph must again be provided as in the case of first enrolment. Students should note that a charge of £2 will be made for replacement of Identity Cards.

The Identity Card is the property of the College and may be demanded by the College or its officers at any time. Students are therefore required to carry their Identity Cards with them while in College or whenever they may be required to identify themselves as students of the College.

10. Overseas students must have achieved a standard in English sufficient to enable them to pursue the course of study in their chosen field successfully. In all cases these students must make application through their Embassy accredited in Ireland.

11. Change of address or place of employment should be reported to the Secretary/Registrar immediately.

12. The Vocational Education Committee may change any or all of the syllabus, the day and time of any class and may cancel classes where the enrolment or attendance is considered inadequate. If for some urgent reason a teacher cannot attend, classes may be cancelled without notice.

13. No exchange of classes may be made after enrolment without the written consent of the Principal, on the recommendation of the Head of Department.

**Attendance,
etc, at classes
and courses**

1. Day classes will normally be held between 9 a.m. and 6 p.m. each weekday except Saturday. Evening classes will normally be held between 6 p.m. and 10 p.m.

2. The Vocational Education Committee may expel any student without refund of fees, for irregular or unpunctual attendance or for any other reason which, in the opinion of the College Council, justifies expulsion. Three successive absences from any class may lead to suspension from the entire course, unless a satisfactory written explanation is submitted to the Principal.

3. Students must provide themselves with such books, instruments and equipment (including special clothing) as their classes may, in the opinion of the College, require. In particular, protective clothing must be worn by all students using the Chemistry or Biology Laboratories or the College Workshop. Safety spectacles must be worn in all Chemistry Laboratories.

4. Students are required to keep such notebooks and record books, and to undertake and submit regularly such homework, project work or other assigned work as may be prescribed by members of the teaching staff. Unreasonable failure in this respect may lead to suspension or expulsion.

5. Apprentices and employers are asked to note particularly that from 1st September 1976, details of the employment and the attendance of all apprentices enrolled in release courses are being made available to AnCO, the Industrial Training Authority, whether or not the apprentices are registered with AnCO.

Examinations

1. Progress from one year of a course to the next will be permitted only to students whom the College deems to have satisfactorily completed the earlier year and passed the required external and/or internal examinations.

2. Students should note that a full attendance at classes in all subjects of their course is expected, and a minimum average attendance of 75% in each subject of their course is required. **Students who fail to comply with this requirement without satisfactory explanation will be refused permission to sit College examinations, and endorsement of their entries for external examinations will similarly be refused.**

3. Examinations may be set by the College at the end of any year, or at any other point of any course, whether or not external examinations are undertaken at the same point.

4. Students preparing for examinations of external bodies are required to acquaint themselves with the current Regulations of those bodies. Insofar as it is possible the College will advise and assist students regarding the procedure they should adopt in respect of the external examining bodies with which they are concerned.

5. The College is a recognised centre for many external examinations including the Department of Education and The City and Guilds of London Institute. Application for entry to these examinations must be made through the College Office in accordance with the closing dates as indicated on the College Notice Boards. Applications after the relevant closing dates will be accepted only on payment of a Late Entry Fee as stipulated by the regulations of the examining body concerned. Where students are in doubt regarding examination arrangements they should make enquiry through the Secretary/Registrar's Office.

6. (i) Each student on a course having mandatory College examinations must make application on or before Wednesday, 20th February, 1985 to sit the appropriate Summer examinations and pay the appropriate examination fee, where applicable, when making such application. Where supplemental examinations are held a similar application must be made on or before July 13th 1985 and a similar fee paid by students who wish to sit the Supplemental examinations. Courses to which this regulation is applicable are identified in the Course descriptions commencing on page 25.

(ii) Students should note that the sole proof that an application has been received by the College is the official receipt for the appropriate examination fee.

(iii) The fees for the College Examinations for the session 1984/85 are: £20 for all Certificate and Diploma examinations or any part thereof.

(iv) Applications for entry to examinations received after 20th February, 1985 in the case of Summer examinations and after 13th July, 1985 in the case of Autumn examinations, will be considered by the College only where they are accompanied by a Late Entry Fee of £20. Under no circumstances will applications for entry to examinations be considered if received later than 30th March 1985 in the case of summer examinations or 3rd August 1985 in the case of Autumn examinations.

(v) Students will be admitted to the Examination Hall only on production of the Identity Card issued by the College in addition to the appropriate admission ticket which is issued when and if an application to sit the examination is approved by the College.

7. Students on courses having mandatory College examinations who do not take their sessional examinations at the Summer sitting will not be permitted to sit the Supplemental examination, unless the College is satisfied that good and sufficient reason (e.g. serious illness) existed for not taking the Summer sitting.

8. Students on courses having mandatory College examinations are required to pass the sessional examinations on their course at the Summer sitting, or, at latest, at the Supplemental sitting (if any) immediately following each year of study. Those who do not pass at these examination sittings will not normally be re-admitted to the course or permitted to resit the examination in later years, except with the special permission of the College Authority. Where such special permission is granted it shall extend to the following Summer and/or Supplemental sitting of the same examination only. **It should be noted that no Supplemental Examinations are held for the Final year of any College Certificate or Diploma Course.**

9. It is the responsibility of each student to ascertain the dates, times and venues of examinations by consulting the appropriate timetables published on the College notice boards. The College does not undertake to provide notices or reminders regarding examinations to individual students. In the case of any uncertainty with regard to examination arrangements enquiries should be made as early as possible in the Examinations Office.

10. Where illness prevents a student from sitting an examination or any part of an examination of the College a Medical Certificate must be submitted to the College Secretary/Registrar not later than the 4th day following the first occasion on which the student is absent. Medical Certificates received later than this will not normally be accepted.

Illness will not be accepted as an excuse for absence from examination unless certified as specified above.

11. Students wishing for a recheck of an examination result should make formal written application to the Principal within 7 days of the receipt of their results, specifying the grounds on which the request is made.

12. Appeals against examination results (as distinct from rechecks) must be lodged with the Principal within two weeks of the issue of provisional results. Applicants should complete the Official Form, available from the Examinations Office and pay a fee of £30.00 (non-returnable).

Scholarships

Students normally resident in the city of Dublin and who wish to compete for a Scholarship from the City of Dublin Vocational Education Committee should complete the official application form. These forms are available from the College Secretary/Registrar. Please note that the section on the application form which refers to documentation on public examinations and course acceptance must be signed by an authorised member of the College Staff. The CLOSING DATE for applications to the City of Dublin Vocational Education Committee is 28th September, 1984. Vocational Education Committees throughout the country offer scholarships to students attending certain full-time technician and other advanced level courses at this College. Interested students should make immediate application to the Chief Executive Officer of their LOCAL Vocational Education Committee.

Degree from Dublin University

Students who obtain the Diploma in Electrical Engineering (Course SEE) or the Diploma in Applied Sciences (Course WSAD) are eligible for the award to the appropriate B.Sc. Degree from Dublin University. A fee is payable to Dublin University by those who present themselves for the degree award. All communications in respect of the award of the above degrees should be addressed to: The Proctor's Office, West Theatre, Trinity College, Dublin 2. The BSc (Human Nutrition) course is run jointly by the Dublin Institute of Technology (College of Technology, Kevin St.) and University of Dublin (Trinity College).

General

1. Students must at all times obey the lawful instructions of lecturers and other members of the College staff. Misconduct in the College or its grounds may lead to suspension or expulsion. All

lecturers are authorised to enforce immediate disciplinary measures in respect of students whom they find violating the regulations of the College or otherwise misconducting themselves.

2. Students are liable for the cost of repair or replacement of College property damaged by them.

3. Students are not permitted to smoke in the College Classrooms, Laboratories, Lecture theatres, workshops, library, gymnasium, swimming pool changing rooms or Examination Hall.

4. Students are not permitted to wear overcoats, etc., into the College Class Rooms, Laboratories, Lecture Theatres, workshops, gymnasium or library. Locker accommodation is available for a considerable number of students on payment of a fee of £15 per session. This includes a deposit of £10, returnable only if the locker is vacated within seven days of the expiry of the period for which it has been granted, and the official receipt is returned when seeking the refund.

5. Parking of bicycles is normally permitted only in the space provided in the College grounds. Except with special permission of the Principal, students are not permitted to bring cars into the College grounds. Motor cycles may be parked only in the space provided behind the Church Lane building.

6. Students are permitted to use the facilities of the College and particularly of the Gymnasium and Swimming Pool, only on the understanding that they do so at their own risk.

7. Though all reasonable care is taken, the College accepts no liability for student property lost, stolen or damaged on the College premises or grounds.

Office Hours

The Office will be open for enrolment of students as follows: —
Monday — Thursday: 9.30 a.m./12 noon; 2.00 p.m./4.00 p.m.
Friday: 11.00 a.m./12 noon; 3.00 p.m./4.00 p.m. and at special periods of the year at times which will be posted on the notice board. Except during enrolment periods, members of the staff will not be available for interviews or consultations except by prior appointment.

The Library

The College Library is normally open between the hours of 9.30 a.m. to 9.30 p.m. (Monday to Friday). It is normally open also from 9.30 a.m. to 5.00 p.m. on Saturdays.

Student Services

Since September 1981, a centralised Student Services Office has provided support services to the students of all third level courses in the Dublin Institute of Technology in the areas of welfare, sporting and social activities. The Office operates under a Student

Services Council, consisting of the College Principals (or their nominees) and the Students' Union Presidents. The Council is assisted by three working parties, representative of staff and students, to oversee the day to day work in these three areas and it has a pool of information and expertise available to any student in the colleges of the Dublin Institute of Technology who feels that he/she needs advice or assistance.

From late August every year, a comprehensive list of boarding house accommodation is available from the Student Services Office. There are separate lists for the Northside and the Southside, and while boarding houses predominate, there is also some information available on a number of flats and bed sittingrooms.

More detailed information can be had from the Student Services Office, 14 Upper Mount Street, Dublin 2, telephone 766584 or 762652, or from the College Students' Union. The Office plans to produce a regular newsheet, the 'Student Services Bulletin', during the year to keep students up to date on its activities.

Entry Requirements

In general terms, the minimum academic requirements for future entry to courses will be as follows:

(a) For Diploma Course in Applied Sciences: Grade C or higher in two subjects taken at Higher Level (one of which must be Mathematics or Applied Mathematics or a Science Subject) in the Leaving Certificate examination.

Pass levels in four other subjects in the Leaving Certificate examination (English and Maths must be among the subjects passed in all cases).

(b) For the Honours Diploma Course in Electrical/Electronic Engineering: Grade C or higher on Higher Level Papers in Mathematics and a suitable Science subject i.e. Physics, Chemistry, Physics with Chemistry, Applied Mathematics or Mechanics. Pass levels in four other subjects in the Leaving Certificate examination including English. The entrance requirements for this course for Session 1986/87 are revised and are noted later in this booklet.

(c) For the BSc (Human Nutrition), Leaving Certificate with passes in at least six subjects including English and Maths. Grade C or higher in at least THREE higher papers which must include Chemistry.

(d) For other courses requiring Leaving Certificate standard for entry: Pass in English, Pass in Maths (or Applied Maths), Pass in three other subjects in the Leaving Certificate examination.

(e) Students holding the Senior Trade Certificate of the Department of Education with one endorsement in Mathematics or

a Science subject will satisfy the entrance requirements for courses in the Dublin Colleges which specify a pass in the Leaving Certificate Examination as the entrance requirement.

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 will be an acceptable equivalent.

(f) Attainment which the College regards as equivalent to those specified in (a), (b), (c) and (d) will be acceptable.

(g) Applicants may be required to undergo Selection Tests, and admission will be dependent on satisfactory results in these tests and on satisfactory interviews as well as the foregoing.

(h) In some cases the College may demand a pass, or a particular grade of pass, in specific subjects additional to those set out above, particularly where such subjects are required by external examining or other bodies.

(i) Where the entry requirement to a particular course is other than as stated in (a) to (f) above, such requirement will be found under the relevant course heading.

The attention of all students is directed to the General Regulations for Schools and Classes operating under the Authority of the City of Dublin Vocational Education Committee which are displayed in the College.

ALL COURSE AND EXAMINATION FEES QUOTED ARE FOR SESSION 1984/85 AND ARE SUBJECT TO REVISION.

SCIENCE AND RELATED COURSES

S9 ANIMAL TECHNOLOGY/NURSING

This is a two year evening course for animal technicians, and nurses who are employed in approved veterinary institutions. Classes are held concurrently for anatomy and physiology and separate classes are held for each group in the specialised aspects of animal technology and nursing.

At the end of the first year animal technicians sit the Intermediate Examination of the Institute of Animal Technicians. After a further two years study (one year course) they sit the Associateship Examination of the Institute of Animal Technicians.

Animal nurses sit Part 1 of the registration examination for Registered Nursing Auxiliaries of the Royal College of Veterinary Surgeons at the end of the first year. At the end of the second year they may complete Part II of this examination, thus qualifying as Registered Animal Nursing Auxiliaries.

Course Fee £80 per academic year.

Department in Charge Biological Sciences.

WSAD DIPLOMA IN APPLIED SCIENCES

(C.A.O. Code FT 21)

A whole-time course leading to a Diploma in applied Sciences of the Dublin Institute of Technology for those wishing to combine the study of two areas of science with emphasis on applied aspects. The suitability of the course for industrial and related activities is enhanced by studies in management and a modern Continental language.

Those who successfully complete this course are eligible for the award of the B.Sc. (Applied Sciences) Degree of the University of Dublin. Both the Diploma and the Degree may be awarded with honours classification.

Students who are awarded the Diploma in applied Sciences with Physics as a subject qualify for Associate Membership of the Institute of Physics and after obtaining the appropriate work experience become eligible for Corporate Membership of the Institute.

The course is recognised for the purpose of the Local Authorities Higher Education Grants scheme.

Course Duration Four years; 5 days (26-29 hours per week).

Qualifications for Admission As stated at (a) in General Entry Requirements on page 23.

COURSE OF STUDY

First Year:	Mathematics, Physics, Chemistry, Management Studies, Technical French or Technical German.
Second Year:	Students select two subjects from Mathematics, Physics and Chemistry and in addition continue their studies in Management Studies and Technical French or Technical German. Students selecting Physics and Chemistry will also be required to take Ancillary Mathematics in second year.
Third Year:	Atomic and Nuclear Physics, Solid State Physics, Electromagnetism and Applied Optics, Electronics, Topics from Applied Biophysics, Mathematical Methods of Classical Mechanics, Numerical Analysis, Algebraic Structures, Ancillary Mathematics, Applied Physical Chemistry, Organic Chemistry, Management Studies, Technical French or Technical German.
Fourth Year:	Solid State Physics, Statistical Physics, Modern Applied Optics, Radiation and Nuclear Physics, Acoustics, Laser Opto-Electronics and Applied Holography, Ordinary Differential Equations, Operator Theory for Quantum Science, Applied Mathematics for the Physical Sciences, Mathematical Statistics, Numerical Analysis, Applied Organic Chemistry, Applied Physical Chemistry, Applied Inorganic Chemistry.
Examinations	Examinations will be set at the end of each year of the course. These examinations will be held in the summer. Supplemental examinations will be held where appropriate in the Autumn. The attention of the students is particularly directed to Examination Regulations on pages 19, 20 and 21.
Vacation Training	Students will be recommended to undertake suitable employment with Industrial or Scientific enterprises and Laboratories during the Summer Vacation periods. The College will assist when possible in arranging this vacation work.
Course Fee	£410 per academic year.
Lecturer in Charge	Dr. D. Hickey (1st year).
Department in Charge	Physics.

WAS TECHNICIANS' DIPLOMA IN APPLIED SCIENCE

This course is designed to meet the requirements of those students seeking a training as Technicians for:

- (a) research and development in industrial laboratories;
 - (b) scientific and industrial instrument manufacturing industries;
 - (c) the food processing industries.
-

Lecturer in Charge	Mr. C. O'Rourke.
Department in Charge	Biological Sciences.

WAML MEDICAL LABORATORY SCIENCES — DIPLOMA

An advanced course for students of Medical Laboratory Science who are employed in approved medical or veterinary laboratories.

Course Duration	Two year block-release of 12 weeks duration in each year.
Qualifications for Admission	The Certificate in Medical Laboratory Sciences with full credits in Physics and Mathematics or equivalent.
Course	All students will study core subjects and select one specialist option.
Core Subjects	Chemistry, Biochemistry, Physiology, Physics, Management Studies.
Specialist Subjects	Microbiology, Histopathology, Haemathology and Blood Transfusion, Clinical Chemistry.
Examinations	Students are examined at the end of both years 1 and 2 in all the core subjects and in their chosen specialist subjects.
Fee	£115 per course.
Lecturer in Charge	Mr. L. Lawlor.
Department in Charge	Biological Sciences.

S10 FELLOWSHIP OF THE INSTITUTE OF MEDICAL LABORATORY SCIENCES

An advanced course in Medical Laboratory Sciences for students taking the special fellowship examination of the Institute of Medical Laboratory Sciences. Courses are offered subject to sufficient enrolment.

Course Duration	Two years. This course is approved by the Institute of Medical Laboratory Science.
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Qualifications for Admission	<p>Associateship of the Institute of Medical Laboratory Sciences and Diploma in Medical Laboratory Sciences or equivalent.</p> <p>The course is based on the study guide published by the IMLS and is provided as a Part-time Day/Evening Course or as a Block Release Course for students outside the greater Dublin area. All students will study Bio-Medical Science and one specialist subject. The following specialist options are available subject to adequate enrolment.</p> <p>Bacteriology Blood Group Serology and Transfusion Clinical Chemistry Haematology Histopathology Immunology</p>
Project	<p>A practical project must be carried out and thesis presented, 2,500 — 3,000 words.</p>
Examinations	<p>Continuous assessment: Multi-choice, multi-part, essay questions will be set during the two years.</p> <p>Final examination: Special Fellowship of the Institute of Medical Laboratory Sciences. The College is recognised as a centre for the new approved course of the Institute of Medical Laboratory Sciences.</p>
Course Fee	<p>£340 per academic year. This combined fee covers the Day-Release, Evening or Block Release course and also provides for the one-week Specialist Block.</p>
Lecturer in Charge	<p>Mr. T. Scott.</p>
Department in Charge	<p>Biological Sciences.</p>

PBE MEDICAL PHYSICS AND PHYSIOLOGICAL MEASUREMENT TECHNICIANS

This is a course for those who work in Medical Physics, or are engaged in various aspects of physiological measurement or bio-engineering. It will be of interest to those working in hospitals, research, and certain types of veterinary, pharmaceutical and agricultural work. The course in the first year deals with the basic sciences and in subsequent years with the general range of Physiological Measurement, Bio-engineering and radioisotope techniques normally used in these situations.

Course Duration Three years, three nights per week.

Qualifications for Admission As stated in (d) in General Entry Requirements on page 23. Prospective students are also required to be in an appropriate form of employment.

Course Duration **First Year**
Physics, Chemistry and Biology. Introduction to Electricity, Physiology and Data Presentation.

Second Year
Electricity and Electrical Measurement, Human Physiology and Biochemistry, Radiation Physics, Physical Principles of Instrumentation and Data Interpretation.

Third Year
Physiology, Physiological Measurement Techniques, Biophysics, Bio-engineering Techniques, Radioisotopes Techniques, Computation Techniques.

Examinations Students will sit College Examinations at the end of each year. At the end of the third year students will sit for the **Dublin Institute of Technology** Examination.

Fee £115 per academic year.

Department in Charge Physics.

S12 MEDICAL RECORDS ADMINISTRATION COURSE

This one year course has two primary aims: —

- (i) To provide a basic training in Medical Records Administration.
- (ii) To prepare students for the certificate examination of the Institute of Hospital Administrators.

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

Course Lectures are held on two evenings per week — Tuesday and Thursday, from 6.00 p.m. to 9.00 p.m. and cover the following subjects:
Patient Administration.
Patient Records.
Medical Terminology, Anatomy and Physiology.
Principles of Organisation and Management.
Social & Public Administration.

Note: Students who pass the certificate examination on completion of this course and who wish to pursue the Diploma of the Institute of Hospital Administrators in Hospital and Health Services Administration may be granted exemption in the following subjects:
Medical Records
Principles of Organisation & Management
Social & Public Administration.

Examination	Students must sit the Certificate Examination of the Institute of Hospital Administrators at the end of the course. Only registered students of that Institute who comply with its regulations are eligible to sit for the Certificate Examination.
Admission Requirements	<p>Academic attainment as stated and in addition students must register with the Institute of Hospital Administrators presenting themselves for enrolment on the course.</p> <p>To become a registered student, a person is required to: —</p> <p>(a) Be employed in a hospital or branch of the health service or in a health agency.</p> <p>(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.</p> <p>(c) Apply to the Institute on the prescribed form accompanied by the appropriate registration fee.</p> <p>Application forms for registration may be obtained from: —</p> <p>The Director of Education, Institute of Hospital Administrators, 18 Ely Place, Dublin 2. Tel.: 710451.</p>
College Fee	£80 per academic year.
Department in Charge	Biological Sciences.

WSO DIPLOMA IN OPHTHALMIC OPTICS

This is a wholetime course leading to a Diploma in Ophthalmic Optics of the Dublin Institute of Technology and providing the education and training statutorily required for entrants to the profession by the Opticians' Act, 1956 and the Rules made thereunder. The course is approved by Bord na Radharcmhastoiri (the Opticians' Board) which is the Registration Authority set up under the Act. Holders of the Diploma in Ophthalmic Optics must also satisfy the Council of the Association of Ophthalmic Opticians, Ireland, on their clinical competence.

Course Duration	Four years, including a period of six months' supervised practice undertaken at the end of the third year of the course.
Qualifications for Admission	To be eligible for admission to the Course, applicants must hold the Leaving Certificate in at least six subjects including English and Mathematics, with Grade C or higher in at least two higher course papers. Science subjects are an advantage and it should be noted that those who are admitted normally have a Leaving Certificate performance exceeding the minimum requirement stated above. Equivalent qualifications are also accepted.

Course**First Year**

Mathematics, Physics, Chemistry, Biology, Workshop Practice, Technical German and Industrial and Related Studies.

Second Year

Statistical Methods, Anatomy and Physiology, Biochemistry, Physical and Geometric Optics, Optical Dispensing, Visual Optics, Technical German and Industrial and Related Studies.

Third Year

Visual Optics and Instruments, Physiology of Vision, Binocular Vision, Contact Lenses, Optical Dispensing, Ophthalmic Practice, Abnormal Ocular Conditions, Law and Ethics, Technical German and Industrial and Related Subjects.

Fourth Year

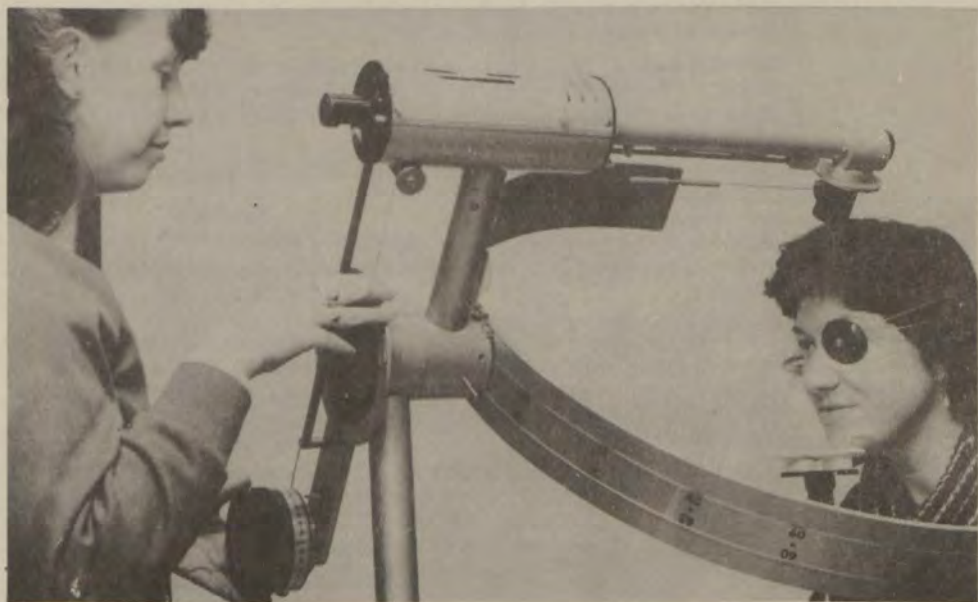
Six months' supervised practice followed by a return to College for: Abnormal Ocular conditions, Ophthalmic Practice, Contact Lenses, Environmental Optics, Project Work, Technical German and Industrial and Related Studies.

Examinations

Examinations will be set by the College at the end of each year of the course. These will be held in the Summer. Repeat examinations will be held where appropriate in the Autumn. The attention of students is particularly directed to Examination Regulations on pages 19 to 21.

Fee

£410 per academic year (£275 for fourth year).



**Lecturer
in Charge** K. P. Culliton, F.A.O.I.

**Department
in Charge** Physics.

PSPT PHOTOGRAPHIC TECHNICIANS' CERTIFICATE

This course is intended to meet the requirements of students who are employed:

- (a) As photographic technicians in research, industry or allied fields.
- (b) In the photofinishing industry and commercial colour laboratories.

The Certificate of the Dublin Institute of Technology is awarded on the result of the College examinations at the end of the third year of the course.

Course Duration Three years. One day and two evenings per week.

**Qualifications
for Admission** As stated at (d) in General Entry Requirements on page 23.

Course **First Year**
General Photographic Theory, Mathematics, Physics, Chemistry, Industrial Studies, Graphic Design.

Second Year
General Photographic Theory, Physics, Chemistry, Industrial Studies, Engineering Practice, Graphic Design.

Third Year
In the third year of the course, the student will follow a specialised course in one of the following:

- (a) Applied Photography or
 - (b) Photofinishing and Colour Laboratory Practice.
- and continue studies in Physics, Industrial Studies, Engineering Practice.

Examinations The Photographic Technicians's Certificate Examination is taken at the end of the third year. Students are required to sit and pass the College examinations at the end of each year of the course. The attention of students is particularly directed to Examination Regulations on pages 19 to 21.

Fee £190 per academic year.

**Department
in Charge** Physics.

PCP**PLASTICS**

A part-time course for trainee technicians, foremen supervisors and trainee managers in the plastics processing industry. The course is designed to give a broad education in plastics processing and includes a study of material science, extrusion technology, film production, blow moulding, injection moulding and pipe-extrusion.

Course Duration	One year — one week full-time in September followed by one afternoon and evening per week during the remainder of the academic year.
Qualifications for Admission	As stated at (d) General Entry Requirements on Page 23. Applicants must be employed in the plastics industry.
Fee	£115 per academic year.
Department in Charge	Chemistry.

PSP**CERTIFICATE IN PROFESSIONAL PHOTOGRAPHY**

This is a part-time course in Professional Photography with admission restricted to students already employed professionally as assistant or trainee photographers. The Certificate of the Dublin Institute of Technology is awarded on the result of the College examinations at the end of the third year.

Course Duration	Three years. One day and two evenings per week.
Minimum Qualifications for Admission	As stated at (d) in General Entry Requirements on page 23.
Course	First Year Photographic Theory and Practice, Chemistry, Physics, Technical German, Industrial Studies, Graphic Design. Second Year Photographic Theory and Practice, Physics, Technical German, Industrial Studies, Graphic Design. Third Year Photographic Theory and Practice (including Colour Work), Physics, Technical German, Industrial Studies, Graphic Design.
Examinations	The final examination for the Dublin Institute of Technology Certificate in Professional Photography is taken at the end of the third year. Students are required to sit and pass the College examinations at the end of each year of the Course.

The attention of students is particularly directed to Examination Regulations on pages 19 to 21.

Fee £190 per academic year.

Department in Charge Physics.

PSP4 ADVANCED CERTIFICATE IN PROFESSIONAL PHOTOGRAPHY

The Advanced Certificate in Professional Photography is a two-year part-time course and is intended for the student who has obtained the Certificate in Professional Photography. The course aims to increase the student's depth of photographic knowledge and to prepare him for a considerable degree of personal responsibility, both in the organisation, planning and execution of his work as a Photographer and in the supervision of others. Considerable emphasis is placed on developing an awareness of the economic factors affecting the operation of the photographic business or establishment.

Course Duration Two years part-time.

Qualifications for Admission (1) D.I.T. Certificate in Professional Photography.
(2) An award which the College considers an equivalent of (1).

Curriculum First Year
Photography Theory and Practice, Management and Industrial Studies, Law, Graphic Design.

Second Year
Photography Theory and Practice, Management and Industrial Studies and Graphic Design.

Examinations A College Examination will be set in all subjects at the end of the first year. Students must complete their course work in a satisfactory manner and pass the examinations in order to proceed to the second year of the course. The Dublin Institute of Technology Advanced Certificate will be awarded to students who complete their course work in a satisfactory manner and pass the examinations at the end of the second year.

Course Fee £190 per academic year.

Lecturer in Charge Mr. D. H. Davison.

Department in Charge Physics.

PSL**SCIENCE LABORATORY TECHNICIANS' COURSES**

These part-time courses are designed to cater for persons in full time employment in suitable laboratories. Suitable laboratories include University research and teaching laboratories, those run by the Institute for Industrial Research and Standards and other Semi-State bodies and industrial research, development and quality control laboratories.

CERTIFICATE COURSE

The first three years of the course are complete in themselves and lead to the award of a Certificate — Science Laboratory Technicians' Certificate. The course is divided into two sections — Introductory Phase and Developmental Phase.

Introductory Phase: This stage consists of two years and is designed to give a general introduction to Science Laboratory Techniques.

Development Phase: This stage consists of one year and is designed to offer some specialisation towards the chemical or biological sciences but still retain most of the broad approach of the first two years.

Qualifications for Admission The basic requirements for entry to this course are passes at Leaving Certificate Level in Mathematics, English and three other subjects.

Course Duration Three years — one full day and two evenings per week.

Subjects Physics, Chemistry, Mathematics, Laboratory safety and management, workshop practice and photography, Industrial Studies.

Examinations Examinations will be held at the end of each year. On passing the third year examinations the student will be awarded a college certificate.

DIPLOMA COURSE

This consists of a further two years of study and leads to the award of a Science Laboratory Technicians' Diploma. It is designed to extend the knowledge of Certificate holders to a considerable depth in their chosen field of specialisation. The emphasis during this stage of the course is on understanding the theoretical and quantitative aspects of laboratory practice.

Qualifications for Admission Science Laboratory Technicians' Certificate from the Dublin Institute of Technology or equivalent qualification.

Course Duration Two years — one day and two evenings per week.

Examinations	Examinations will be held at the end of each year. On passing the final year examination the student will be awarded a Diploma.
Fee	£115 per academic year.
Department in Charge	Chemistry.

PSN CERTIFICATE IN SCIENCES FOR NURSES

This course is organised by two of the Colleges of the Dublin Institute of Technology, College of Commerce, Rathmines and the College of Technology, Kevin Street, and is run in conjunction with the Nursing Schools of a number of Dublin hospitals.

Course Duration 3 years, Block Release.

Qualifications for Admission As required by the Nursing Schools participating but not less than as stated in (d) in the General Entry Requirements on pages 19 to 21. Prospective students are also required to be members of a Hospital Nursing School which has an agreement with the Dublin Institute of Technology in relation to this course.

Course

First Year
Physics, Chemistry, Psychology and Law.

Second Year
Biophysics, Biochemistry, Psychology and Law.

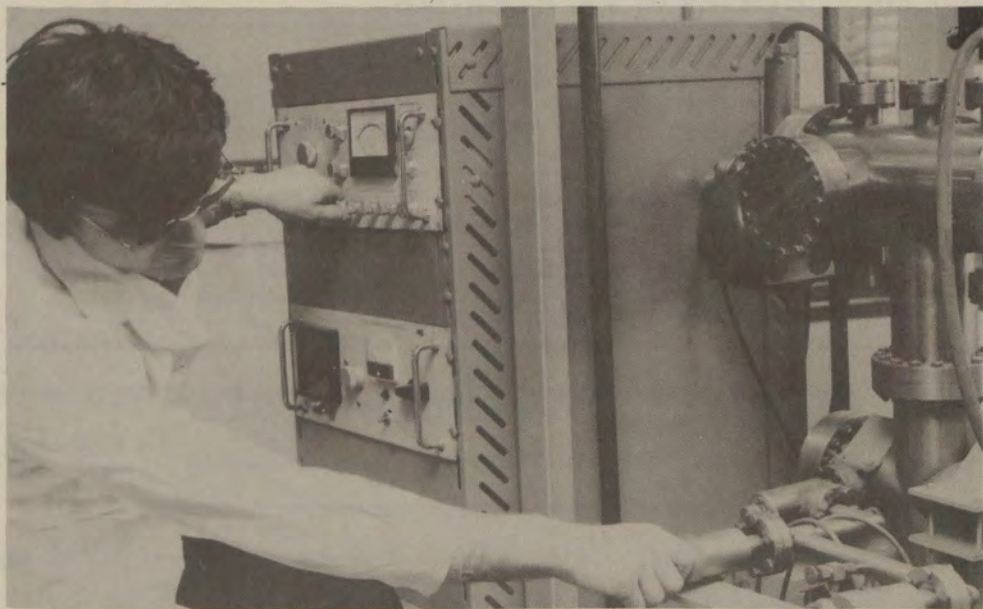
Third Year
Biophysics, Biochemistry, Psychology and Law.

Examinations Examinations and Assessments will take place at the end of year 1 and year 2. The Dublin Institute of Technology Certificate in Sciences for Nurses will be awarded to those who pass the examinations at the end of year 3.

Fee 1st year: £40. Subsequent years: £35.

Lecturer in Charge Mr. K. P. Maher.

Department in Charge Physics.



EVENING COURSES IN MATHEMATICS

The Mathematics Department provides the following series of courses for those who wish to improve their mathematical knowledge, particularly in relation to the fields of application indicated.

General Admission Requirements

Admission to any stage of these courses depends on the applicant's knowledge of the material covered in earlier stages and each application is individually assessed on its merits. The Mathematics Department will gladly advise applicants regarding the course and stage most appropriate for their purposes. Applicants may be required to take an admission test.

M1 MATHEMATICS FOR ENGINEERING PRACTICE AND TRADES

A course in Practical Mathematics.

Course Duration Four years: one evening (2 hours) per week.

Examinations The Elementary Certificate Examination of the Department of Education at the end of the second year; the Intermediate Examination at the end of the fourth year.

Fee £80 per academic year.

M2 MATHEMATICS FOR TELECOMMUNICATIONS

Course Duration Four years: One evening per week (1½ hours per week for first two years; 3 hours per week in third and fourth years).

Examinations City and Guilds of London Institute Telecommunication Technicians' Course examinations in Practical Mathematics at the end of the first year and in Mathematics A, B, C at the end of the second, third and fourth years, respectively.

Fee £80 per academic year.

M3 MATHEMATICS FOR ENGINEERING

Course Duration Four years: One evening per week (1½ hours in the first and third years; 3 hours in the second and fourth years).

Examinations The Advanced Technological Certificate Examination in Mathematics of the Department of Education at the end of the

second year and the Higher Technological Certificate Examination in Mathematics of the Department of Education at the end of the fourth year.

Fee £80 per academic year.

M4 MATHEMATICS

A course covering Mathematics from about Leaving Certificate Higher Course (or GCE A — level) to General Degree level.

Course Duration Two years: One evening (3 hours) per week.

Examinations At the end of the second year, students may sit a qualifying examination for entry to course M7.

Fee £80 per academic year.

M6 STATISTICS

A course leading to Membership of the Institute of Statisticians. Classes are provided for students preparing for the Preliminary and Stages I, II and III of the Institute's Examinations. The Institute may grant exemption from the Preliminary Examination and in certain cases the Part I examination, to candidates with suitable qualifications.

Course Duration Four years: Three evenings (9 hours) per week in the second year and two evenings (6 hours) per week in the first, third and fourth years.

Examinations **First Year**
The Preliminary Examination of the Institute of Statisticians at the end of the first year involving three papers.

- (a) Collection and compilation of data
- (b) Calculation
- (c) Presentation of results

Second Year

The Stage I Examination of the Institute of Statisticians at the end of the second year involving three papers:

- (a) Mathematics
- (b) Elements of Statistical Theory
- (c) Elements of Statistical Methods

Third Year

The Stage II Examination of the Institute of Statisticians at the end of the third year involving three papers:

-
- (a) Statistical Theory I
 - (b) Statistical Theory II
 - (c) Applied Statistical Methods

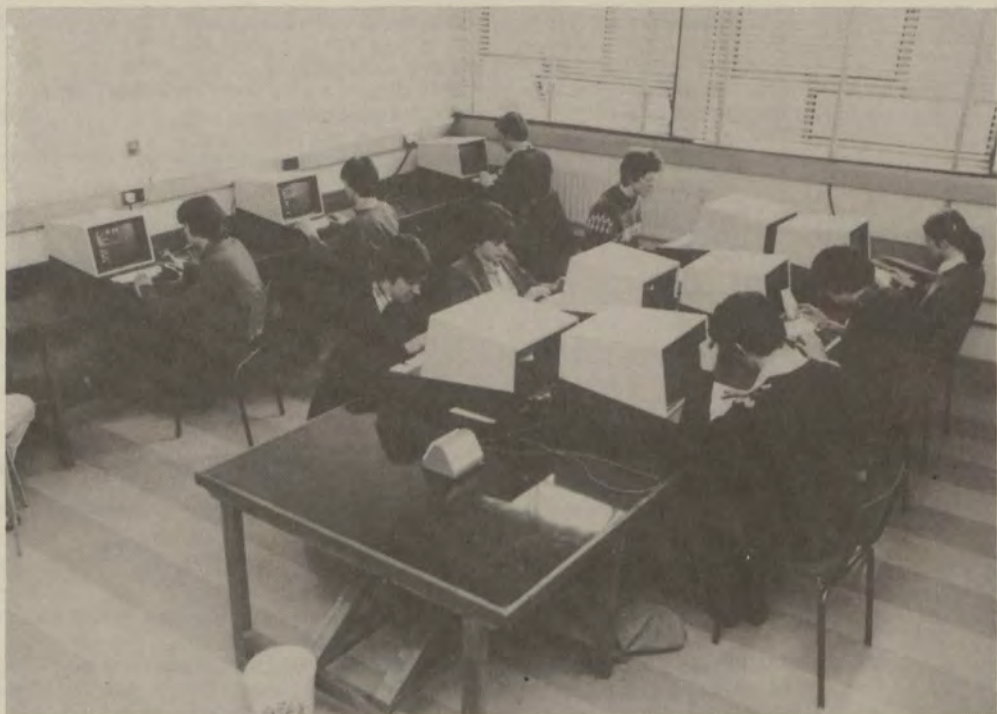
Fourth Year

The Stage III Examination of the Institute of Statisticians at the end of the fourth year involving three papers:

- (a) Sample Surveys and Experimental Design
- (b) Special Subject A chosen from four options
- (c) Special Subject B chosen from four further options

Applicants should consult the Head of the Department regarding the options which the College is prepared to offer. Students are advised to familiarise themselves with the regulations of the Institute.

Fee £80 per academic year.



M7

**GRADUATESHIP OF THE INSTITUTE OF
MATHEMATICS AND ITS APPLICATIONS**

Graduateship of the Institute of Mathematics and its Applications is recognised as equivalent to an Honours Degree in Mathematics.

Course Duration Four years: two evening per week.

Qualifications for Admission At least two years Post Leaving Certificate Mathematics. A university degree with mathematics at the General Degree level or equivalent may merit exemption from the Part I Examinations.

Course The Graduateship Examination consists of two parts.

Part I

Four papers, three of which must be passed at one sitting.

- (a) Mathematical Analysis
- (b) Mathematical Methods
- (c) Algebra
- (d) Statistics and Mechanics

Part II

Four papers, one compulsory paper.

- (a) Mathematical Methods
- and three papers chosen from a list of options.

Applicants should consult the Head of the Department regarding the options which the College is prepared to offer.

Examinations Normally students would sit the Part I at the end of the second year and Part II at the end of the fourth year. Students are advised to familiarise themselves with the regulations of the Institute.

Fee £80 per academic year.

M8

**MEMBERSHIP OF THE BRITISH COMPUTER
SOCIETY AND/OR THE IRISH COMPUTER
SOCIETY**

This course covers the examination requirements of Membership of both the British Computer Society and the Irish Computer Society. The Part II Examinations are of honours degree standard.

Qualifications for Admission Applicants should already be in suitable employment in the Computer Industry. A curriculum vitae must accompany the letter of application to join the course.

Course Duration Four years — two evening per week.

Examinations The examinations are set and examined by the British Computer Society. Students would sit the Part I examinations after two years and the Part II examinations after a further two years.

Part I

Four Papers: Two compulsory general papers and two papers chosen from a list of options.

Part II

Four papers: Three papers chosen from a list of options.

Applicants should consult the Head of Department regarding the options which the College is prepared to offer.

Fee £115 per academic year.

**Department
in Charge** Mathematics.

COURSES IN MODERN LANGUAGES/LINGUISTICS

The Department of Languages and Industrial Studies provides the following courses in Modern Languages for those who wish to acquire or improve a competence in the use of Modern Languages for specialist (vocational, scientific or technical) purposes.

PLAL POST-GRADUATE DIPLOMA IN APPLIED LINGUISTICS

A one-year evening course in applied linguistics for teachers of modern languages and/or English as a foreign language leading to the award of a Post Graduate Diploma in Applied Linguistics.

Qualifications for Admission (i) A primary degree in German or French or English and
(ii) Minimum two years experience of teaching German or French or English.

Applications will be considered from graduates in other European languages.

Course Duration 1 year, 1st October 1984 — 28th May, 1985, 2 evenings, 6 hours weekly.

Examination An examination will be held in May. It will consist of three parts:
(i) Paper in General Linguistics
(ii) Paper in Applied Linguistics
(iii) A minor dissertation.

Fee £170.

Department in Charge Languages and Industrial Studies.

PCL MODERN LANGUAGES FOR SECRETARIES

Course Duration One year — 3 hours weekly, one evening per week to begin September 17th 1984.

Qualifications for Admission Pass in French, German or Spanish in the Leaving Certificate or an equivalent qualification.

Course Translation and composition of business correspondence.

Fee £80.

Department in Charge Languages and Industrial Studies.

PCLL**MODERN LANGUAGES**

A one-year evening course at different levels in the practical use (oral and written), of a foreign language and in the culture and institutions of the country of the foreign language. Students may enter for the Grade I or the Grade II Certificate Examination, the Intermediate Diploma Examination or the Final Diploma Examination of the Institute of Linguists Educational Trust or for examinations of the Haudelskammer, Dusseldorf, The Paris Chamber of Commerce or the Royal Society of Arts.

Qualifications for Entry

- a) for Grade I or Grade II — Leaving Certificate or an equivalent in the modern language, French, German or Spanish,
b) for the Intermediate or the Final Diploma levels — either (i) a University degree in the modern language, French, German or Spanish or (ii) a recognised equivalent in the modern language, French, German or Spanish.

Course Duration 1 year, 17th September, 1984 — 10th May, 1985, 2 evenings, 6 hours weekly.

Course Fee £170.

Department in Charge Languages and Industrial Studies.

PCLS**MODERN LANGUAGES FOR SPECIALIST PURPOSES**

One year evening course in language training for scientists, engineers or business people. The emphasis will be on language skills relevant to the professional needs of the student groups. Courses will be held in French, German or Spanish; if the demand for other languages is adequate, courses may be arranged.

Course duration 1 year, 2 evenings, 6 hours weekly.

Course Fee £115.

Department in Charge Languages and Industrial Studies.

PDT**TRANSLATORS DIPLOMA**

A part-time evening course in translation techniques and practice leading to the Translators Intermediate Examination offered by the Institute of Linguists Educational Trust.

Qualifications for Admission	Either: (a) A University degree in French and/or German, or Spanish. (b) A recognized equivalent in French and/or German or Spanish.
Course Duration	1 year, 17th September, 1984 — 10th May, 1985, 2 evenings, 6 hours weekly.
Fee	£170.
Department in Charge	Languages and Industrial Studies.

WLSF TRAINING COURSE FOR TRILINGUAL EXECUTIVE ASSISTANTS/COMMERCIAL TRANSLATORS

This course with a strong emphasis on the applied and practical use of languages is designed to train students in commercial translation to work as bilingual secretaries or as export and marketing office personnel.

As the Course is at present included amongst the programmes approved under the European Social Fund (ESF) Scheme, students may qualify for a weekly allowance and free tuition while attending it.

Course Duration	Two years: five days per week.
Minimum Qualifications for Admission	As stated at (d) in General Entry requirements on page 23. In addition, a minimum of Grade C at ordinary level in French or German is required.
Course	Year I: Modern Languages (2), Business Studies, European Studies, Keyboard Skills. An introduction to the Computer and its applications. Background to Science and Technology. Year II: Modern Languages (2), Business Studies, European Studies.
Examination	Examinations will be held in the Modern Languages, Business Studies, European Studies at the end of Year I. The Certificate Examination will be held at the end of Year II.
Department in Charge	Languages and Industrial Studies.

ELECTRICAL, ELECTRONIC AND TELECOMMUNICATIONS ENGINEERING AND RELATED COURSES

WCE **COUNCIL OF ENGINEERING INSTITUTION'S PART 2 EXAMINATION**

This is a wholetime course of one year duration covering certain subjects of the CEI Part 2 Examination for students who have completed an approved Technician Engineer Diploma course.

Course Duration One year — five days per week.

Qualifications for Admission Intending students must have successfully completed an approved Technician Engineer Course, and must have passed or obtained exemption from the Council of Engineering Institutions Part 1 Examination.

Course Mathematics, Electromagnetic Fields and Networks, Physical Electronics, Electronic Engineering, Computer Engineering, Communication Engineering, The Engineer in Society.

Examination The Council of Engineering Institutions Part 2 Examination in the above subjects.

Fee £410.

Department in Charge Telecommunications Engineering.

R8 **DIGITAL ELECTRONICS & MICROPROCESSORS**

This evening course extends over three years. The first year of the course provides a foundation in Digital Electronics; the second year is a basic course in Microprocessors; the third year deals with more advanced topics in the application of Microprocessors. In all three years of the course attendance is required at the College on two evenings per week.

Qualifications for Admission Entry to the Course is restricted to those who have as a minimum a recognised technician qualification in Electronics. Direct entry to the second year of the course will be permitted for those who can produce evidence of having successfully completed a course in digital electronics of a level corresponding to that of the First Year.

Fee £80 per academic year.

Department in Charge Telecommunications Engineering.

SEE

HONOURS DIPLOMA IN ELECTRICAL/ ELECTRONIC ENGINEERING

**C.A.O. Code
FT 21**

This is a four year wholetime course designed for the education of electrical/electronic engineers to an honours degree level.

**Entrance
Requirements**

Passes in six subjects in the Irish Leaving Certificate including English and Mathematics, with Grade C or higher on higher level papers in Mathematics and a suitable Science subject i.e. Physics, Chemistry, Physics with Chemistry, Applied Mathematics or Mechanics or such qualifications as the College may deem equivalent.

Extra points are awarded to Grade A to C on the higher Leaving Certificate papers in Mathematics and the Science Subjects listed above.

Note: It must be emphasised that the above are the minimum stipulated entry requirements. In practice Grade C or higher on four to six higher level papers are required to gain entry to this course.

The entrance requirements for the 1986/87 session will be as follows: —

Passes in six subjects in the Irish Leaving Certificate including English and Mathematics, with Grade C or higher on higher level papers in both Mathematics and Physics or such qualifications as the College may deem equivalent.

COURSE OF STUDY:

First Year

Mathematics, Applied Mechanics, Physics, Properties of Materials, Electricity, Electric Systems, Engineering Practice, Business and Management Studies, Technical French or Technical German.

Second Year

Mathematics, Physics, Field and Circuit Theory, Signal and System Theory Electronics, Computer Systems, Electrical Machines, Measurements, Instrumentation, Business and Management Studies, Technical French or Technical German.

Third Year

The core subjects for the third year of the course are as follows: — Mathematics, Circuit Theory, Field Theory, Business and Management Studies, Technical French or Technical German. In addition students will study the particular subjects relevant to the specialised option they have chosen, as detailed below.

Electrical Power Option:

Electronics, Applied Thermodynamics, Electrical Power, Control Systems and Instrumentation.

Control Systems and Instrumentation Option:

Electronics, Signal and System Theory, Control Systems.

Electronics, Communications and Computer Option:

Electronics, Signal and System Theory, Computer Systems, Communications Engineering.

Fourth Year

Mathematics, Business and Management Studies are common. The other subjects relevant to each specialised option are detailed below.

Electrical Power Option:

Circuit Theory, Electronics, Electrical Power, Control Systems and Instrumentation, and an Engineering Project.

Control Systems and Instrumentation Option:

Circuit Theory, Electronics, Control Systems, and an Engineering Project.

Electronics, Communications and Computer Option:

Signal and System Theory, Electromagnetic Field Theory, Electronics, Computer Engineering, Communications Engineering and an Engineering Project.

SPECIAL FEATURES:

The first two years of the course are common to all options. At the beginning of the third year students commence their specialist option which extends over the final two years. There is a moderate degree of specialization in one of the following fields: —



Electrical Power.
Control Systems and Instrumentation.
Electronics.
Communications and Computers.
In addition, all students must complete an Engineering Project in their final year.

AWARDS:

Graduates of this course are awarded the: —
Diploma in Electrical/Electronic Engineering of the Dublin Institute of Technology.

They are also eligible for the award of: —
B.Sc. (Electrical/Electronic Engineering) of the University of Dublin (Trinity College).

Both the Diploma and Degree may be awarded with honours classification.

The Diploma has been recognised by The Institution of Engineers of Ireland as fulfilling the educational requirements for ordinary membership.

Fee £520 per academic year.

Department in Charge Electrical Engineering.

**WEET TECHNICIAN ENGINEERING DIPLOMA —
ELECTRICAL ENGINEERING**

A wholetime course leading to a Technician Engineering Diploma of a high standard in the field of Electrical Engineering. The course has been approved by the Institution of Engineers of Ireland and holders of the Dublin Institute of Technology Diploma are eligible for election to the grade of Affiliate and later to the grade of Associate of the Institution. In the final two years of the course, there is a specialised option in control and microprocessor applications.

Course Duration Three years: 5 days (approx. 30 hours) per week.

Qualifications for Admission As stated in (d) in General Entry Requirements on page 23. In addition a minimum of Grade B in ordinary level Leaving Certificate Mathematics is required.

Course **First Year**
Continental Language, Economics, Mathematics, Applied Mechanics, Physics, Engineering Drawing, Mechanical Workshop, Principles of Electricity, Electronics, Electrical Power.

Electrical Power Option.

Second Year
Mathematics, Continental Language, Economics, Materials,

Hydraulics, Thermodynamics, Field and Circuit Theory, Electronics, Electrical Measurements and Instrumentation, Electrical Power.

Third Year

Mathematics, Continental Language, Economics, Circuit Theory, Electronics, Control Systems, Electrical Power, Project.

Control & Instrumentation Option.

Second Year

Mathematics, Continental Language, Economics, Materials, Hydraulics, Thermodynamics, Field and Circuit Theory, Electronics, Electrical Measurements, Control and Instrumentation.

Third Year

Mathematics, Continental Language, Economics, Circuit Theory, Electronics, Control Systems, Microprocessors in Instrumentation and Control.

Examinations	Examinations will be set by the College at the end of each year of the course. These examinations will be held where appropriate in the Autumn. (There is no repeat examination in the final year).
Fee	£270 per academic year.
Department in Charge	Electrical Engineering.

EE.1 ELECTRICAL ENGINEERING

This is a two-year Evening course covering some of the subjects of The Engineering Council's (E.C.) Part I Examination.

Qualifications for Admission Students must have completed an approved Technician Course in the electrical or communication field, and have reached an approved level in Mathematics, Applied Mathematics and Physics.

Course The course will run for three or four evenings per week.

Fee £80 per academic year.

EE.2 ELECTRICAL ENGINEERING

This is a two-year Evening course covering some of the subjects of The Engineering Council's (E.C.) Part II Examinations for students who have completed an approved Technician Engineering Course.

Entry Requirements Students must have completed a Technician Engineering Course in the electrical or communication field and must also have passed or have exemption from the E.C. Part 1 Examination.

Course	This course will run for three or four evenings per week and will cover a selection of subjects in the electric power and communication fields, together with the Engineer in Society.
Fee	£80 per academic year.
Department in Charge	Electrical Engineering.

PET ELECTRICAL TECHNICIANS' CERTIFICATE

A part-time day-release and evening course, which leads to a College Certificate for personnel in the Electrical Industry.

Course Duration	The course runs over the normal college session and the duration per week is: Year I, II and III: one full day and three evenings. Year IV: four evenings.
Qualifications for Admission	(1) Students must be employed in the Electrical Engineering field, and (2) must have passed five subjects in the Leaving Certificate examination (see page 23) or have an approved alternative qualification in the Electrical Trade.
Course	The technological subjects include Generation and Transmission, Utilization, Control and Instrumentation, Applied Electronics, Circuit Theory. The course also includes Mathematics, Physics and English.
Examinations	Students will sit College examinations at the end of each session. In addition students may take the Electrical Engineering Practice examinations of the Department of Education or of City and Guilds of London Institute.
Fee	£115 per academic year.
Department in Charge	Electrical Engineering.

ET ELECTRICAL TECHNICIANS

An evening course which prepares students for the Electrical Practice examinations of the Department of Education and the City and Guilds of London Institute.

Course Duration	Four years: three or four evenings per week.
Qualifications for Admission	Prospective students must: (i) be employed in the electrical industry; (ii) have passed the Leaving Certificate with Physics (see page 23) or have an approved alternative qualification in the Electrical Trade.

Course	<p>Year One Mathematics, Mechanics, Electrical Engineering Principles, Engineering Graphics.</p> <p>Years Two and Three Mathematics, Mechanics, Field and Circuit Theory, Electrical Power, Electronics.</p> <p>Year Four Advanced Electrical Technology, Utilisation of Electrical Energy, Control Systems Engineering. Laboratory work is included in all years of the Course.</p>
Examinations	<p>Electrical Engineering Practice (803) of the City and Guilds of London Institute. Year 1: Part I Year 2: Part II with Power option Year 3: Electronics option of Part II Year 4: Part III with Utilisation of Electrical Energy and Control Systems, Engineering options.</p> <p>Department of Education Year 4: Advanced Electrotechnology and Electrical Engineering Practice (Section B — Advanced Stage).</p>
Fee	£80 per academic year.
Department in Charge	Electrical Engineering

WRS TECHNICIAN DIPLOMA IN ELECTRONIC ENGINEERING (formerly Technician Diploma in Radio-Electronics)

The theoretical and practical content of this course is designed to provide a sound technical education for students preparing for careers as technicians in the production, testing, installation and maintenance of electronic equipment.

Course Duration The subjects covered on the course include Mathematics, Engineering Science, Analogue and Digital Electronics, Communications Engineering and Computer Systems, but Measurements, Measuring Methods and Instruments form the unifying core for the different areas of study.

Course Duration Three years full time.

Entrance Requirements Passes in five subjects including English and Mathematics in the Leaving Certificate, with a minimum of Grade C on ordinary level Mathematics, or such qualifications as the College may deem equivalent.

COURSE OF STUDY:

First Year	Mathematics, Mechanics, Physics, Electricity, Electronics, Computer Programming, Electrical Draughting, Mechanical Workshop Practice, Electronic Workshop Practice, Industrial Studies, Technical French or Technical German.
Second Year	Mathematics, Physics, Electricity, Circuit Theory, Analogue and Digital Electronics, Electronic Measurements, Communications Engineering, Industrial Studies, Technical French or Technical German.
Third Year	Mathematics, Electric Circuits, Analogue and Digital Electronics, Microprocessor Systems, Communications Engineering, Industrial Studies, Technical French or Technical German.
Examinations	College Examinations will be taken at the end of first and second years, and the Diploma Examination at the end of the third year. The attention of students is particularly directed to Examination Regulations on pages 19 to 21.
Course Fee	£270.
Department in Charge	Telecommunications Engineering.

WRCE**TECHNICIAN CERTIFICATE COURSE IN ELECTRONICS**

This is a broadly based course, avoiding any narrow specialisation, but with an approach which emphasises the practical/applied aspects of the subjects and utilises a less demanding level of analysis.

The course is organised to provide a qualification at Certificate level for those students who are preparing to work as production or maintenance technicians in the electronics industry. As the course is at present included amongst the programmes approved under the European Social Fund (ESF) Scheme, students may qualify for a weekly allowance and free tuition while attending it.

Course Duration	Two years, full time.
Entrance Requirements	Passes in five subjects in the Irish Leaving Certificate with a minimum of Grade C on ordinary level Mathematics or such qualifications as the College may deem equivalent.

COURSE OF STUDY:

First Year	Mathematics, Engineering Science, Electricity, Electronics Workshop, Analogue and Digital Electronics, Electrical Draughting, Workshop Practice, Communication Studies, Computer Programming.
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Second Year	Mathematics, Electricity, Circuit Theory, Digital and Analogue Electronics, Communication Principles, Computer Systems, Computer Programming.
Examinations	Examinations will be held in all subjects at the end of the first year, and the final Certificate Examinations will be held at the end of the second year of the course.
Department in Charge	Telecommunications Engineering.

PRM ELECTRONIC SERVICING (Industrial Equipment, Television and Audio Equipment)

This is a part-time day release course designed to prepare students for Parts I, II and III of the City and Guilds of London Institute Course 224 (formerly the Radio, Television and Electronics Mechanics course).

Course Duration	The course extends over four years. Attendance at the College is required for one day and two evenings per week (12½ hours) for each of the four years.
Qualifications for Admission	A pass in the Intermediate Certificate or Group Certificate of the Department of Education, with Mathematics and English as essential subjects. Prospective students MUST be employed as trainees or apprentices in the electronics or telecommunications industry.
Course	The course subjects include Electricity, Electronics, Radio, Television, together with Mathematics and Mechanical Workshop Practice. A systems approach is used with a strong emphasis on the practical aspects and a restricted use of analysis.
Examinations	The Part 1 examination is taken at the end of the first year. The Part 2 examination (written) together with a Practical Test set by the Radio, Television and Electronics Examination Board are taken at the end of the third year. The Part 3 examination is taken at the end of the fourth year. An internal College examination is set at the end of the second year of the course.
Department in Charge	Telecommunications Engineering.

R7 INDUSTRIAL ELECTRONICS FOR ELECTRICIANS

This evening course extends over two years and is directed specifically towards electricians who require an understanding of

industrial electronic principles and equipment.
The course provides an introduction to the principles of analogue and digital electronics and treats selected industrial applications.

Qualifications for Admission	Entry to the course is restricted to those who are employed as electricians and who have completed a recognised electrical apprenticeship, and who hold as a minimum the Senior Trade Certificate of the Dept. of Education in Electrical Installation Work.
Fee	£80 per academic year.
Department in Charge	Telecommunications Engineering.

WRR MARINE RADAR MAINTENANCE CERTIFICATE

This whole-time course is designed to satisfy fully the latest requirements of the syllabus of the Board of Trade for the Marine Radar Maintenance Certificate, and it provides comprehensive coverage of the operation and maintenance of all types of Marine Radar equipment. Two courses are conducted each year, one commencing in September and the other commencing in January/February.

Course Duration	Sixteen weeks: five days per week.
Qualifications for Admission	Prospective students are required to hold the Marine Radiocommunication General Certificate, or show evidence of having an equivalent standard of knowledge of Electricity and Radio Communication.
Course	The course provides instruction in the theory and practice of Radar, and practice in the operation and maintenance of Radar equipment.
Fee	£270 per course.
Department in Charge	Telecommunications Engineering.

WRO MARINE RADIO-ELECTRONICS OFFICERS

This is a one-year whole-time course to prepare students, who have completed successfully the Certificate Course in Electronics (Ref. WRCE, page 58), for the Marine Radiocommunication General Certificate Examinations conducted by the Department of Post and Telegraphs. This certificate (MRGC) is required for employment as a Radio Officer in the International Mercantile Marine Services.

Course Duration	One year, five days per week.
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**Minimum
Qualifications
for Admission**

Technician Certificate in Electronics, or equivalent qualification with adequate Radio Communication content.

Course

The course includes Electricity, Analogue and Digital Electronics, Radio Communication, Communications Regulations and Procedures, Telegraphy and Telephony Practice.

Fee

£270.

**Department
in Charge**

Telecommunications Engineering.



SRPO**POST OFFICE ENGINEERING TECHNICIANS' COURSE**

This is a block release course conducted by arrangement with the Department of Post and Telegraphs providing technical education for the technician trainees of that Department. The scheme has the co-operation of the Irish Post Office Engineering Union.

- Course Duration** Three periods, each of 10 weeks duration (32½ hours per week) over two academic years.
- Qualifications for Admission** The course is confined to Technician Trainees of the Department of Posts and Telegraphs.
- Course** The course provides instruction in Irish, English, Mathematics, Physics, Electricity, Drawing and Electronics.
- Fee** Trainees from areas outside Dublin City are admitted under special fee arrangements with the Vocational Education Committee of the areas concerned.
- Department in Charge** Telecommunications Engineering.
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WRTT**TECHNICIAN ENGINEERING DIPLOMA — TELECOMMUNICATIONS AND ELECTRONICS**

This course is designed to provide a broad and thorough education for students intending to pursue careers as technician engineers in telecommunications and electronics.

This course has a strong analytical content, the overall emphasis is applied and is design oriented.

Graduates are granted exemption from Part 1 of the Engineering Council Examination (previously the Council of Engineering Institutions Examination).

- Course Duration** Three years full time.
- Entrance Requirements** Passes in five subjects including English and Mathematics, in the Irish Leaving Certificate, with a minimum of Grade B on ordinary level mathematics or such qualifications as the College may deem equivalent.
- COURSE OF STUDY:**
- First Year** Mathematics, Mechanics, Physics, Materials and Processes, Electricity, Electronics, Computer Programming, Engineering Drawing, Mechanical Workshop Practice, Electronic Workshop Practice, Industrial Studies, Technical French or Technical German.
- Second Year** Mathematics, Physics, Electricity, Circuit Theory, Analogue and Digital Electronics, Electronic Measurements, Communications Engineering, Industrial Studies, Technical French or Technical German.
-

Third Year	Mathematics, Physics, Circuit Theory, Analogue and Digital Electronics, Microprocessor Systems, Communications Engineering, Computer Programming, Industrial Studies, Technical French or Technical German.
Examinations	The Diploma Examination is taken at the end of the third year. College examinations are held at the end of the first and second years. The attention of students is particularly directed to Examination Regulations on pages 19 to 21.
Course Fee	£270.
Department in Charge	Telecommunications Engineering.

WRAL TELECOMMUNICATION & ELECTRONIC TECHNICIANS' COURSE

This is a two year whole-time course designed to prepare students who are employed as trainee technicians in the Electronics/Telecommunications industry for selected subjects in the City & Guilds of London Institute Course 271

Telecommunications Technician Certificate examinations. The course curriculum is such as to provide a broad coverage of the Telecommunications and Electronics field extending beyond the examination requirements of the City & Guilds. A significant laboratory content is included in the course.

In addition to the formal course subjects detailed below a period of time is available each week to enable a specialist input to be provided by the employer. This facility is provided to enable the employer to maintain contract with the student during the academic year and to provide specialist lecturers appropriate to the industry concerned.

Course Duration Two years — 5 days per week.

Minimum Qualifications for Admission Applicants must be employed as trainee technicians in the electronics industry.

Examinations Students are required to take the following examinations at the end of the first year:
 Mathematics T1, Physical Science T1, Telecommunication Systems T1 and Communication Studies T1 together with Mathematics T2, Electrical Principles T2, Electronics T2 and Radio and Transmission Systems T2.

At the end of the second year students will take the following examinations:

Part 1 T2 examination in Microelectronic Systems together with the Part 2 T3 examinations in Mathematics, Electrical Principles, Electronics, Radio and Microelectronic Systems.

Fee £270 per academic year.

BESB**ELECTRICAL INSTALLATION WORK**

This course provides technical and general education for apprentice electricians during the first three years of apprenticeship. Practical training is provided at an approved training centre.

Course Duration Three years. Block Release, one term of 11 weeks duration in each year of the course.

Qualifications for Admission Employment as an apprentice electrician and approved arrangements with a training centre.

Course The course is based on the relevant written examination syllabuses of the Department of Education and the City and Guilds of London Institute and includes Mathematics, Electrical Science, Electrical Craft Theory, Drawing, General Studies and Social Science. No workshop classes are provided.

Examinations The Electrical Trade and Technical Examinations of the Department of Education and the City and Guilds of London Institute.

Department in Charge Electrical Installation.

SEAS**ELECTRICAL INSTALLATION WORK**

This course provides technical and general education for apprentice electricians during their first year. Practical training is provided at an appropriate training centre.

Course Duration One year: one and a half days and two evenings per week. At the end of the year students transfer to either SESB or PEI or cover the Department of Education Senior Trade examinations.

Qualifications for Admission Employment as an apprentice electrician and approved arrangements with a recognised training centre.

Course The course is based on the relevant written examination syllabus of the Department of Education and includes Mathematics, Drawing, Electrical Science, Electrical Craft Theory, General Studies and Social Studies. No workshop classes are provided.

Examinations Department of Education Junior Trade Electrical examinations.

Department in Charge Electrical Installation.

PAA**ELECTRICAL INSTALLATION WORK**

This course provides technical and general education for apprentice electricians following "OFF THE JOB TRAINING" provided by AnCO centres.

Practical training is carried out at the appropriate training centre.

Course Duration One year. Split Block twelve weeks per annum. One week in every three students attend the College plus one evening per week for twenty-six weeks.

At the end of the year the students transfer to either SESB or PEI to cover the Department of Education Senior Trade examination.

Qualifications for Admission Employment as an apprentice electrician and approved arrangements with a recognised training centre.

Course This course is based on the relevant written examination syllabus of the Department of Education and includes Mathematics, Technical Drawing, Electrical Science, Electrical Craft Theory, Laboratory Work, General Studies and Social Science. No workshop classes are provided.

Examinations Department of Education Junior Trade Electrical examinations.

Department in Charge Electrical Installation

ES/ED**COURSE FOR ELECTRICAL & ELECTRONIC DRAUGHTING**

This is a training course to prepare students for employment in drawing offices of consulting engineers and industrial concerns.

Course Duration The course is of one year's duration. Participants attend the College for 35 hours per week over a period of 36 weeks starting in late September.

Curriculum Electrical Draughting, Technical Drawing, Electrical Science, Electrical Installation Theory, Project Work.

Admission Procedure This course is organised under the Special Training Programme of the European Social Fund. Applications for places on all Social Fund courses held in the Colleges of the City of Dublin Vocational Education Committee are invited in July-August by advertisements placed in the national daily papers. The places on the course are then allocated to qualified applicants on the basis of a series of aptitude/suitability tests and interview held in September.

Department in Charge Electrical Installation.

T3

**ELECTRICAL TECHNICIANS' CERTIFICATE
(PARTS II AND III) CITY AND GUILDS OF LONDON
INSTITUTE**

These courses are designed to prepare students for the Electrical Technicians' Part II and Part III examinations of the City and Guilds of London Institute.

Part II Course — T3 1.

Course Duration	One year: four evenings per week.
Qualifications for Admission	Prospective students must have passed the Department of Education Senior Trade Certificate in Practical Installation Work, Electrical Science and Electrical Craft Practice.
Course	Electrical Power Equipment, Testing Methods and Reliability, Planning of Electrical Installations.
Examinations	Examinations in each of the above three subjects will take place at the end of the year.
Fee	£80 per academic year.
Department in Charge	Electrical Installation.

Part III Course — T3. 2/3

Course Duration	Two years: two evenings per week.
Qualifications for Admission	Prospective students must have obtained a pass in the Electrical Technicians' Certificate Part II Examination of the City and Guilds of London Institute.
Course	Transmission and Distribution of Electrical Energy, Utilisation of Electrical Energy.
Examinations	Examination in Utilisation of Electrical Energy will be taken at the end of the first year. Examination in Transmission and Distribution of Electrical Energy at the end of the second year.
Fee	£80 per academic year.
Department in Charge	Electrical Installation.

T4. 1/2 RECENT DEVELOPMENTS IN ELECTRICAL INSTALLATION TECHNOLOGY

This course is designed to update electrical craftsmen in Electrical Installation Technology.

Course Duration	Two years: two evenings per week.
Admission Requirements	Prospective students must be electrical craftsmen employed in the electrical industry.
Course	Electrical Science, Electrical Craft Theory, Laboratory Work.
Fee	£80 per academic year.
Department in Charge	Electrical Installation.

SESB (Block) PEI (Day release) **APPRENTICE ELECTRICIANS (ELECTRICAL INSTALLATION WORK)**

These courses provide full technical education for apprentice electricians in their first four years of apprenticeship.

Course Duration Four years. Block Release, SESB: one term (i.e. 11 weeks of 32½ hours) per year of the course.
Day Release, PEI: one day and three evenings per week. Some fourth-year students attend on one additional day per week. A fifth-year course of further study may be provided for suitable candidates.

Qualifications for Admission	Specified subjects of the Group Certificate or Intermediate Certificate examinations of the Department of Education. Prospective students must be apprentices to the electrical trade.
Course	The courses are based on the relevant examination syllabuses of the Department of Education and the City and Guilds of London Institute, and include Mathematics, Engineering Science, Drawing, Electricity, Electrical Installation Theory and Practice, Testing, General Studies and Social Science. Classes in Metalwork, Cable Jointing, etc., are provided for certain groups.
Examinations	The Trade and Technical Examinations of the Department of Education and of the City and Guilds of London Institute.
Department in Charge	Electrical Installation.

SEAL**APPRENTICE ELECTRICIANS IN THE AIRCRAFT INDUSTRY**

A full-time course providing for the technical education of aircraft electricians during the first two years of apprenticeship.

Course Duration Two years: 35-37 weeks (32½ hours per week) each year.

Qualifications for Admission Specified subjects in the Group Certificate or Intermediate Certificate examination of the Department of Education. Prospective students must be apprenticed to the electrical trade in the aircraft industry.

Course Mathematics, Engineering Science, Drawing, Engineering Workshop Practice, Electrical Science and Laboratory, Practical Installation, Aircraft Electrical Practice, General Studies, Social Science. The course is based on the relevant examination syllabus of the Department of Education, The Department of Transport and Power (Civil Aviation) and the City and Guilds of London Institute.

Examinations Trade and Technical Examinations of the Department of Education and City and Guilds of London Institute, and the Licence examinations of the Department of Transport and Power.

Fee £270 per academic year.

Department in Charge Electrical Installation.



T1

PERSONNEL IN THE ELECTRICAL INDUSTRY

A course in Applied Electricity and related Sciences. The last two years (T1.3 and T1.4) of the course are designed to assist apprentices in preparing for the Senior Trade Certificate examination of the Department of Education and the Part II 236 and C Certificate examinations of the City and Guilds of London Institute.

Course Duration	Four years: four evenings per week.
Qualifications for Admission	Prospective students must be in employment in some branch of the electrical industry. Applicants for the first year, T1.1, may be required to sit an entrance examination and for other years of the course applicants must satisfy the College that they have an acceptable knowledge of the matter covered in the years of the course preceding that for which they apply.
Course	Mathematics, Electrical Craft Practice, Electrical Science and Technical Drawing.
Examinations	The appropriate Trade and Technical examinations of the Department of Education and the City and Guilds of London Institute.
Fee	£80 per academic year.
Department in Charge	Electrical Installation.

COURSES IN PHYSICAL EDUCATION

The courses are designed to cater for the recreational activities of the students and staff of the College and will include the following Activities:

Swimming
Life Saving
Sub Aqua
Water Polo
Sailing
Wind Surfing
Canoeing
Table Tennis
Darts
Badminton
Judo

Basketball
Hang Gliding
Volley Ball
Yoga
Soccer
Gaelic Games
Rugby
Fencing
Hockey (Mixed)
First Aid
Dance

Jogging
Aerobics
Chess
Karate
Circuit Training

ART:
Sketching
Water Colour
Related Crafts
Appreciation



City of Dublin Vocational Education Committee

COLLEGE OF TECHNOLOGY, KEVIN STREET, DUBLIN 8.

DUBLIN INSTITUTE OF TECHNOLOGY AWARDS.

EXTERNAL EXAMINERS 1984

Diploma in Applied Sciences.
BSc (Applied Sciences)
University of Dublin

Professor D. M. X. Donnelly,
Dublin.

Dr. A. K. Galwey,
Belfast.

Professor Michael B. Glauert,
England.

Professor J. M. A. Lenihan,
Scotland.

Technician Diploma in Applied
Science (Applied Physics Option).

Professor A. E. Bailey,
England.

Professor M. C. Sexton,
Cork.

Technician Diploma in Applied
Science (Applied Biology Option).

Professor W. M. Fogarty,
Dublin.

Professor S. J. Martin,
Belfast.

Dr. T. F. McCormack,
Co. Westmeath.

Dr. Vivian Tarrant,
Dublin.

Technician Diploma in Applied
Science (Applied Chemistry Option)

Dr. A. K. Galwey,
Belfast.

Dr. F. T. Smyth,
Dublin.

Honours Diploma Course in Electrical
Engineering
BSc (Engineering),
University of Dublin.

Professor R. Cooper,
England.

Professor G. T. Wrixon,
Cork.

Technician Engineering Diploma —
Electrical Engineering

Dr. R. H. Mitchell,
Antrim

Mr. J. A. V. McEvoy,
Dublin.

Diploma in Ophthalmic Optics	Dr. T. C. A. Jenkins, England. Mr. G. E. McGuire, Dublin.
Diploma in Food Science	Dr. R. Walker, Surrey. Dr. M. Moss Surrey.
Certificate in Professional Photography	Professor Heinz Wedewardt, Germany. Mr. R. Roberts, Dublin.
Advanced Certificate in Professional Photography	Professor Heinz Wedewardt, Germany. Mr. R. Roberts, Dublin.
Diploma in Dietetics & Nutrition BSc (Human Nutrition)	Mr. P. Start, Dublin. Professor D. Hingerty, Dublin. Dr. D. Bamford, Belfast. Professor W. T. Dickerson, England. Dr. R. O'Regan, Dublin. M. A. Conry, Leeds. Miss T. McDonagh, Dublin. Dr. J. A. Scott, Dublin.
Science Laboratory Technician Certificate	Dr. Peter Boyle, Dublin. Mr. J. Carroll, Dublin. Dr. J. Fenerty, England. Dr. Vivian Tarrant, Dublin. Professor W. M. Fogarty, Dublin.

Technician Engineering Diploma — Telecommunications and Electronics	Dr. John Twomey, Dublin. Mr. K. C. Jones, England.
Technician Diploma Course in Electronic Engineering	Dr. John Twomey, Dublin. Mr. K. C. Jones, England.
Certificate Course in Electronics	Dr. John Twomey, Dublin. Mr. K. C. Jones, England.
Electrical Technicians Certificate	Professor Albin A. Bromley, Belfast. Mr. J. A. V. McEvoy, Dublin.
Diploma in Bakery Production and Management	Mr. E. C. Roberts, England.
Medical Physics and Physiological Measurement Technician Certificate	Mr. G. Manson, Cork.
Post-Graduate Diploma in Applied Linguistics	Professor Carl James, Wales.
Technician Diploma in Computer Science	Professor John C. Byrne, Dublin. Mr. Kevin T. O'Donnell, Dublin.
Certificate in Science for Nurses	Mr. Ian B. Monk, England. Sr. Antoinette Kelleher, SRN. Nurse Tutor, Dublin.

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