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Prospectus: Kevin Street

Kevin Street College

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1987

## Kevin Street College: Centenary Calendar 1987 -1988

Dublin Institute of Technology

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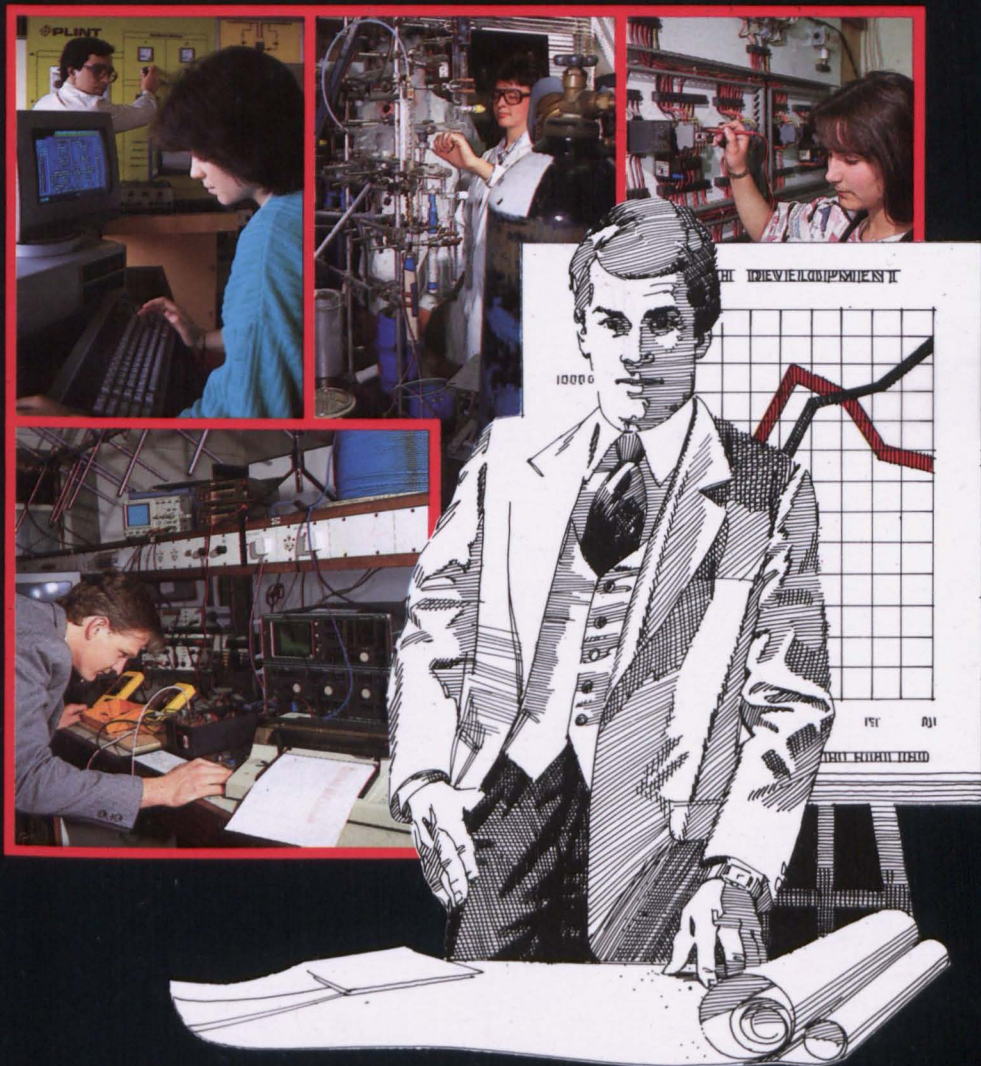
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COLLEGE OF TECHNOLOGY KEVIN STREET DUBLIN

COLÁISTE TEICNEOLAÍOCHTA SRÁID CAOIMHÍN BAILE ÁTHA CLIATH



**CENTENARY CALENDAR**  
**1987/88**  
**Féilire an Chéid**

DUBLIN INSTITUTE OF TECHNOLOGY

CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE

**DUBLIN INSTITUTE OF TECHNOLOGY**

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**CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE**

**CENTENARY CALENDAR**

**1987/88**

**Féilire an Chéid**

**COLLEGE OF TECHNOLOGY**

**KEVIN STREET DUBLIN**

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**COLÁISTE TEICNEOLAÍOCHTA  
SRÁID CAOIMHÍN BAILE ÁTHA CLIATH**

**COISTE GAIRM-OIDEACHAIS CITY of DUBLIN  
CHATHAIR BHAILE VOCATIONAL EDUCATION  
ÁTHA CLIATH COMMITTEE**

**INSTITIÚID TEICNEOLAÍOCHTA DUBLIN INSTITUTE  
BHAILE ÁTHA CLIATH OF TECHNOLOGY**

**COLÁISTE TEICNEOLAÍOCHTA COLLEGE OF TECHNOLOGY  
SRÁID CAOIMHÍN KEVIN STREET  
BAILE ÁTHA CLIATH 8 DUBLIN 8**

**Guthán ☎ +353-1-757541-6 Fax +353-1-780282**

**Príomh-Oide/Principal: F.M. Brennan DipEE CEng FIEI MIERE AMIEE**

Every effort has been taken by the College to ensure that the information provided in this Calendar is correct at the time of going to press, but the course programmes are subject to continuing development and the College reserves the right to make changes at any time, before or after a candidate's admission.

The College and the CDVEC are not bound by errors in, or omissions from this Calendar.



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UACHTARÁN NA HÉIREANN  
PRESIDENT OF IRELAND

BAILE ÁTHA CLIATH 8  
DUBLIN

Meitheamh, 1987

*Céad bliain ó shin bunaíodh coláiste i Sráid Chaoimhín a raibh clú agus meas agus moladh go forleathan i ndán dó. Is aoibhinn go mór liom ar an ócáid chomórtha seo méid ár measa uile orthu sin a rinne a gcion chun an clú agus an meas agus an moladh sin a bhaint amach dó mar ionad oideachais agus oiliúna a chur in iúl.*

*B'fhairsing an gréasán scoileanna a cruthaíodh ar fud na hárdchathrach ina dhiaidh sin, scoileanna a ndearnadh aithris orthu ina lán áitheanna eile, a d'fhág lorg ar fhorbairt an oideachais theicniúil ar fud Éireann agus a chabhraigh as cuimse le dul chun cinn eacnamaíochta agus tionsclaíochta ár dtíre.*

*Níl áireamh ar chomh mór is atáimid faoi chomaoin acu siud ar spreag a n-aisling is a n-éirim iad chun bhur gColáiste a bhfuil iomrá chomh mór sin air inniu a bhumú céad bliain ó shin.*

*Go leana bainistíocht, foireann teagaisc agus micléinn an Choláiste orthu ag saothrú an árdchaighdeán éifeachtúlachta agus foirfeachta a choimnigh a ainm in airde go dtí seo agus a shaibhrigh an chathair agus an tír go léir chomh fial sin.*

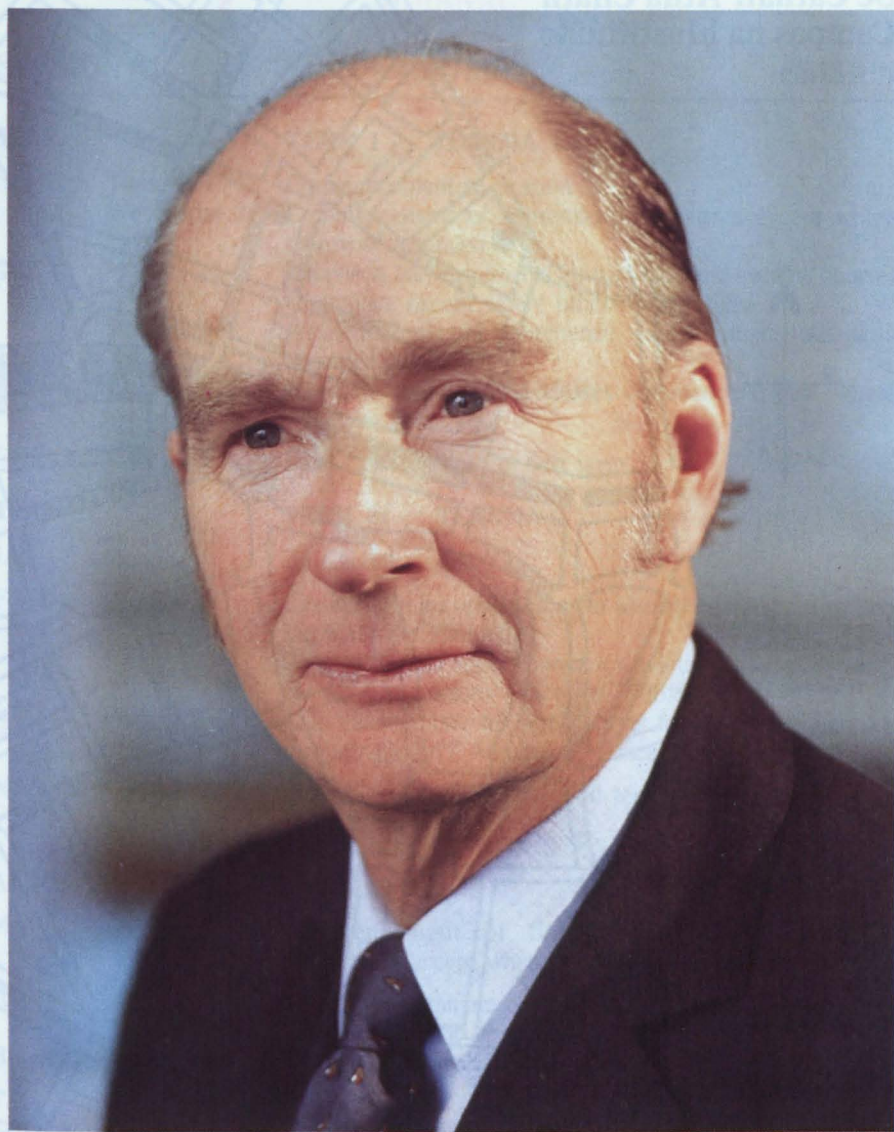
*I welcome the opportunity, on the occasion of the celebration of the centenary of the College at Kevin Street, of paying tribute to all those through whose unsparing efforts over the years this centre of learning has won the acclaim and distinction which adorn it.*

*From a small beginning there was created within Dublin a comprehensive network of schools which provided a model for similar schools elsewhere, promoted the extension of technical education throughout the country and thereby contributed in generous measure to industrialisation and economic growth.*

*We owe much to those whose vision and spirit of initiative one hundred years ago laid the foundations of your now renowned Institute. May its management, staff and students continue to achieve the admirable standards of excellence and of service to the city and country which have won for it so much well-deserved esteem*

Uachtarán na hÉireann

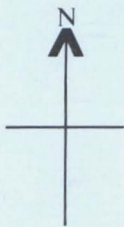




*Uachtarán na hÉireann*

# Dublin City is our Campus

Sé Cathair Átha Cliath  
Campas na hInstitiúide



- 1 College of Technology,  
Bolton Street,  
Dublin 1.  
Telephone 749913
- 2 College of Technology,  
Kevin Street,  
Dublin 8.  
Telephone 757541
- 3 Dublin College of  
Catering,  
Cathal Brugha Street,  
Dublin 1.  
Telephone 747886
- 4 College of Commerce,  
Rathmines,  
Dublin 6.  
Telephone 970666
- 5 College of Marketing  
and Design,  
40-45 Mountjoy Square,  
Dublin 1.  
Telephone 742721
- 6 College of Music,  
Chatham Row,  
Dublin 2.  
Telephone 778903
- 7 Dublin Institute of  
Technology,  
14 Upper Mount Street,  
Dublin 2.  
Telephone 766584/611133

## ALMANAC

**SESSION**

**1987/88**

**SEISIÚN**

**1987**

**TERM 1 TÉARMA 1**

SEPT.	Tuesday 1	Commencement of Session
	Wednesday 2	Commencement of apprenticeship courses except where otherwise arranged.
	Monday 14	Interviews and enrolments for part-time and evening courses commence except where otherwise arranged.
	Monday 21	Wholtime classes commence except where otherwise arranged.
	Monday 28	Part-time and evening classes commence except where otherwise arranged.
DEC.	Friday 18	Final class meeting of first term.

**1988**

**TERM 2: TÉARMA 2**

JAN.	Monday 4	All Classes resume.
FEB.	Monday 1	Closing date for applications to wholtime courses through the CAO for 1988/89.
	Friday 12	Closing date for applications for wholtime courses through the DIT Admissions Office for 1988/89.
	Friday 26	Late closing date for applications for wholtime courses through the DIT Admissions Office 1988/89.
MAR.	Tuesday 29	Final Class meeting of second term.

**TERM 3 TÉARMA 3**

APRIL	Monday 11	All Classes resume.
MAY	Monday 16	Commencement of College Summer Examination programme except where otherwise arranged.
JUNE	Monday 20	All classes terminate except where otherwise arranged.

**Block Release Dates for Engineering Trades: (Provisional)**

- Term 1: 1987 Monday 28th September – Friday 11th December
- Term 2: 1988 Monday 4th January – Friday 18th March
- Term 3: 1988 Monday 21st March – Friday 17th June

Classes will be closed on Public holidays during the session (viz. 26 October, 17 March, 6 June) and on Church Holidays except where otherwise arranged.

**NOTE: This Almanac is subject to alteration during the session.**

## **CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE**

### **COISTE GHAIRM-OIDEACHAIS CHAITHAIR BHAILE ÁTHA CLIATH**

The College operates under the City of Dublin Vocational Education Committee. The CDVEC is assisted by a number of committees, including a Governing Body for the Dublin Institute of Technology, College Councils for each of its six Colleges, a joint Academic Council, an Apprentice Education Board and a Buildings Committee.

#### **Members:**

Councillor Liam Fitzgerald NT BA HDipED TD (Chairman) 117 Tonlegee Road, Raheny, Dublin 5.

Councillor Michael Donnelly BComm FCA (Vice-Chairman), 33 Glendoher Avenue, Rathfarnham, Dublin 16.

Councillor Andrew Callaghan BA HDipEd DipAILitt, 52 Adelaide Road, Dublin 2.

Councillor Patrick Carey NT BA HDipEd, 69 Bourne View, Ashbourne, Co. Meath.

Michael Cotter NT BA MEd, 51 Sefton, Rochestown Avenue, Dun Laoghaire, Co. Dublin.

Patrick Donegan, 121 Shanard Road, Dublin 9.

Barry Early MA BComm DPA FCCA PC 161 Sutton Park, Dublin 13.

Councillor Mary Hanifin BA HDipEd, B Simmonscourt Castle, Ballsbridge, Dublin 4.

Aidan Kerins, DIT, Bolton Street, Dublin 1.

Seán Lyons Final(EEP)CGLI MIElecIE, 30 Coolmine Woods, Clonsilla, Blanchardstown, Dublin 15.

Alderman Tomás MacGiolla TD, 49 St. Laurences Road, Chapelizod, Dublin 20.

Councillor Charles McManus BA HDipEd, 12 Walkinstown Drive, Dublin 12.

Councillor Michael O'Halloran PC, 141 Ardlea Road, Dublin 5.

Séamus Uas Puirseil NT MA HDipEd, 16 Hampton Cove, Baile Brigín, Co. Átha Cliath.

#### **Offices:**

W.J. Arundel BComm HDipEd

Chief Executive Officer

City of Dublin VEC

Town Hall, Ballsbridge, Dublin 4.

## **THE DUBLIN INSTITUTE OF TECHNOLOGY**

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### **INSTITIÚID TEICNEOLAÍOCHTA BHAILE ÁTHA CLIATH**

In 1978 the Dublin Institute of Technology was established by the City of Dublin Vocational Education Committee by placing its six Colleges under a single Governing Body. The Colleges of Technology in Bolton Street and Kevin Street are the largest of the Colleges, the other constituent Colleges being the College of Commerce, the College of Catering, the College of Music and the College of Marketing and Design. Its work and awards have attained national and international recognition by academic, professional and industrial Institutions.

Over 1,500 teaching staff are primarily concerned with teaching 24,000 students attending wholetime and part-time third level and apprentice courses. The Institute is also involved in research and development, and there is a growing demand for advisory and consultative services from institutions in developing countries, as well as in Ireland. The Colleges of the Institute have played a leading role in the evolution of technical and technological education in Ireland and continue to be involved with the latest developments in technology and commerce, maintaining their commitment to industrial, economic and cultural development.

### **GOVERNING BODY**

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#### **BORD STIÚRTHA**

Michael Cotter NT BA MEd (Chairman)  
Councillor Liam Fitzgerald NT BA HDipEd TD  
Councillor Andrew Callaghan BA HDipEd DipAILitt  
Councillor Patrick Carey NT BA HDipEd  
Councillor Michael O'Halloran PC  
Séamus Uas Puirseil NT MA HDipEd  
Michael O'Donnell MEconSc BE BComm CEng MIProdE FIEI  
Matthew Connolly  
Tom Fitzpatrick  
Gerry Shanahan  
Wolfgang Truetschler DipPsych  
Chris Wall

## **ACADEMIC COUNCIL – DUBLIN INSTITUTE OF TECHNOLOGY**

### **COMHAIRLE ACADIÚL – INSTITIÚID TEICNEOLAÍOCHTA BHAILE ÁTHA CLIATH**

The Academic Council was established in November 1970 by the CDVEC and given responsibility for the following functions:

- (a) The fostering and maintenance of connections with industry, commerce and professions, universities, other educational establishments and research organisations, including recommending to the Vocational Education Committee the establishment of such Committees for this purpose as it deems necessary.
- (b) The establishment of permanent or ad hoc boards of studies or other committees, the membership and terms of reference of such boards of studies or committees being specified by the Academic Council, the membership not necessarily being restricted to the membership of that Council, or to the staff of the colleges, and where appropriate, may include student members.
- (c) The appointment of external examiners under such schemes as may be recommended to and approved by the Vocational Education Committee.
- (d) The making to the Vocational Education Committee of such reports and recommendations as the Academic Council may think fit on any academic and related matters or on any matter referred to the Academic Council by the Vocational Education Committee.

#### **Members:**

The Chief Executive Officer, the Principals, Vice-Principals and Heads of Departments of the Colleges. Other members of the Academic staffs chosen to ensure adequate coverage of the work of the Colleges whose number and method of appointment shall be determined by the Vocational Education Committee after taking into account the recommendations made to them by the Academic Council.

O. McNulty CEng FIEI ARTCS MStructE (Chairman)

C.L. Grant MA MEd MLitt BComm HDipEd MInstM (Deputy Chairman)

W.J. Arundel BComm HDipEd

Anne Boylan

F.M. Brennan DipEE CEng FIEI MIERE AMIEE

R. Burns BSc MSc

J.T. Cotter BSc MSc

J. Creagh MA ANCA ATC MSDI  
T. Dalgic BA MBA PhD  
E. De Burca FRICS FCIIO  
Elish Farrell BMus MMus  
J.C. Fisher BA BAI HDipEd PhD CEng MIEI  
G. Fitzpatrick BA BComm FCA  
P.R. Flood BComm MPA FMII MIITM  
K. Fox BArch FRIAI ARHA  
B. Goldsmith BSc MSc DPhil  
Móna Hearn MEd BSocSc DipDomSc HDipEd PhD  
J. Hegarty MEd DipHtlMgt MIHCI  
F. Heneghan BE BMus CEng MIMechE FTCL LRIAM  
P.J. Henry BComm MBA  
J.S. Hickey MSc BA  
M. Hussey BE MS PhD CPhys FInstP CEng MIEE  
F. Lane BA DipAppPsych  
G.L. Latchford BE BSc CEng MIEI  
R. Lawlor BA MBA MIHCI  
D. McGuinne BFA MSDI  
F. McMahon BComm MBA MIHCE  
T. Madden BComm FIMA FIIF MMII MIITM  
M. Murphy DipEng MSc CEng MIMechE  
C. Nutty BA MPA FMS  
B.J. O'Connor CEng MIERE  
M. O'Donnell MEconSc BE BComm CEng MIProde FIEI  
J.J. O'Keeffe BArch FRIAI  
M. O'Sullivan-Farrell BMus DipMus LTCl  
Alice Prendergast BComm HDipEd  
Marlene Proctor MSc MIFSTI MIHCI  
E.J. Rothery BSc CChem FRIC FICI MIBIolI  
Brid Ann Ryan BSc MSc CBiol MIBiol DipIndMicrob  
K. Sullivan DipEng MSc MIEI  
P. Sullivan BA HDipEd  
J.K. Taaffe BSc MSc CPhys MInstP MBA HDipEd DipProd Barrister-at-Law  
Kathleen M. Tierney MA

Academic Registrar: T. Duff BSc CEng MIProde  
Education Officer: E.P. Tuffy BSc Med CGLI(FETC)

# Ireland, Member of the European Economic Community

## Éire san Comhobal Eorpach





**GUIDE TO COURSES IN THE  
DUBLIN INSTITUTE OF TECHNOLOGY**

**TREOR DO CHÚRSAÍ SAN  
INSTITIÚID TEICNEOLAÍOCHTA BHAILE ÁTHA CLIATH**

The courses listed here are not exhaustive but give some idea of the range of courses available in DIT. Some of the topics mentioned are studied in conjunction with other subjects. Course duration and final qualifications vary. For further information contact the relevant college.

	Bolton Street	Catering	Kevin Street	Marketing & Design	Commerce	Music
<b>Natural and Applied Science</b>	Analytical and Applied Science		●			
	Applied Mathematics		●			
	Applied Physics		●			
	Acquatic Biology					
	Biochemistry			●		
	Biology			●		
	Biotechnology			●		
	Botany			●		
	Chemical Technology			●		
	Chemistry			●		
	Computer Science/Programming			●	●	
	Environmental Science			●		
	Fine Chemical and Pharmaceuticals					
	Food Technology		●	●		
	Food Science		●	●		
	Forensic Science			●		
	Genetics			●		
	Mathematics			●		
	Mathematical Physics			●		
	Nautical Studies					
	Microbiology			●		
	Oceanography					
	Pharmacology					
	Physics			●		
	Physiology			●		
	Polymer Science			●		
	Science of Materials			●		
	Statistics			●		
	Systems Analysis			●		
	Zoology					

The courses listed here are not exhaustive but give some idea of the range of courses available in DIT. Some of the topics mentioned are studied in conjunction with other subjects. Course duration and final qualifications vary. For further information contact the relevant college.

		Bolton Street	Catering	Kevin Street	Marketing & Design	Commerce	Music
<b>Medical and Health Related Science</b>	Animal Nursing			●			
	Dentistry/Dental Technology			●			
	Dietetics			●			
	Environmental Health		●				
	Health Science		●	●			
	Human Nutrition			●			
	Medicine						
	Medical Laboratory Sciences			●			
	Ophthalmic Optics			●			
Sciences for Nurses			●		●		
<b>Law</b>	Legal Studies					●	
<b>Social Sciences</b>	Community Care		●				
	Child Care		●				
	Social Science/Sociology					●	
<b>Arts</b>	Communication Studies			●		●	
	Drama Studies						
	Economics			●		●	
	English/use of English			●		●	
	Ethics			●			
	European Studies			●			
	French			●		●	●
	Geography						
	German			●			●
	Irish			●		●	
	Irish Studies						
	Italian						●
	Journalism					●	
	Linguistics/Applied Linguistics			●			
	Music						●
	Philosophy						
	Political Science					●	
	Psychology					●	
	Regional Studies						
	Russian			●			
Social Studies					●		
Tourism		●					
Translation			●				

The courses listed here are not exhaustive but give some idea of the range of courses available in DIT. Some of the topics mentioned are studied in conjunction with other subjects. Course duration and final qualifications vary. For further information contact the relevant college.

		Bolton Street	Catering	Kevin Street	Marketing & Design	Commerce	Music
<b>Fine and Applied Arts</b>	Antique Furniture Restoration/ Furniture Technology				●		
	Art Education						
	Craft/Ceramic Design						
	Design				●		
	Fine Arts				●		
	Graphic and Reproduction Technology		●				
	History of Art		●	●	●		
	Industrial/Product Design		●	●	●		
	Model Making				●		
	Photography			●			
	Retail Display				●		
	Visual Communication		●	●	●		
	<b>Commercial and Business Administration</b>	Accountancy			●	●	●
Administrative Systems/ Secretarial Studies						●	
Advertising						●	
Agri-Business							
Auctioneering		●					
Bakery Production/Management				●			
Business Administration			●	●	●	●	
Business Studies/Commerce				●		●	
Company Secretaryship						●	
Construction Economics		●					
Distribution Management					●	●	
Environmental Economics		●					
Environmental Management			●				
Hotel and Catering Management			●				
Management Finance		●	●	●	●	●	
Marketing		●	●	●	●	●	
Medical Records				●			
Public Administration					●		
Public Relations						●	
Work Study						●	

The courses listed here are not exhaustive but give some idea of the range of courses available in DIT. Some of the topics mentioned are studied in conjunction with other subjects. Course duration and final qualifications vary. For further information contact the relevant college.

		Bolton Street	Catering	Kevin Street	Marketing & Design	Commerce	Music	
<b>Engineering and Architecture</b>	Agricultural Engineering							
	Architecture	●						
	Building Management	●						
	Chemical Engineering			●				
	Civil Engineering	●						
	Computer Engineering			●				
	Construction Studies	●						
	Electrical Engineering			●				
	Electronic Engineering			●				
	Engineering Draughtsmanship			●				
	Engineering Science	●		●				
	Building Services Engineering	●						
	Geo-Surveying	●						
	Industrial Engineering	●		●		●		
	Instrumentation and Control Engineering			●				
	Marine Engineering							
	Manufacturing Technology	●						
	Materials and Production Engineering	●						
	Mechanical Engineering	●						
	Mechanical and Production Engineering	●						
	Mining Geology/Mineral Engineering							
	Motor Industry Management	●						
	Plastics Engineering							
	Printing	●						
	Production Engineering	●						
	Telecommunications Engineering			●				
	Site Management	●						
	Structural Engineering	●						
	Surveying	●						

## CÉAD BLIAIN AG FÁS

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Leiríonn stair na gColáistí Teicneolaíochta i mBaile Átha Cliath fás agus forbairt oideachas teicneolaíochta in Éirinn. I rith 1886/1887 agus de bharr agallaimh idir Choiste Sealadach agus Bardas Átha Cliath aontaíodh scoil teicneolaíochta a thógaint i Sr. Chaoimhín. D'oscail an scoil i nDeireadh Fomhair 1887 le 10 muinteoirí, 78 micleinn agus 12 abhair teagaisc. D'oscail Scoil na gCead i rith titim mhór ins an tionsclaíocht tairgeaíochta i mBaile Átha Cliath agus i Sasain féin. Ins an naoiu-aois deag tháinig bagairt ar thionscalaíocht i Sasain tré mhéadú mór san dubhshlán on Mhór-Roinn agus ó na Stait Aontaithe. I Sasain chonacathas an dainséir agus bunaíodh Coimisiún Ríoga in 1881 le modhanna oideachais teicneolaíochta a phlé. De bharr a gcuid fiosrúcháin reachtaíodh Acht Teagasc Teicneolaíochta in 1889 a chur curam an oideachais ar Chomhairlí Áitiúla. In Éirinn níor bunaíodh Comhairlí Áitiúla go dtí gur tháinig an Acht Rialtas Áitiuil (Éire) isteach in 1898.

Ni h-iontach mar sin go raibh deacrachtaí airgid ag baint le forbairt scoile Sráid Chaoimhín ins na blianta roimh 1891 mar a reachtaíodh Acht Teagasc Teicneolaíochta (1891) in Éirinn. D'aineoin na deacrachtaí bhí 513 micleinn ar na rollaí san seisiún 1891 – 1892. Ó 1893, nuair a chuir Bardas Átha Cliath an Acht i bhfeidhm, bhí deontaisí le fáil le trealamh saotharlainne a leathnú agus le cúrsaí nua a stiúiriú. Chonachthas méadú mhór ar tinreamh na scoile in 1895 de bharr na forbairte seo agus tógadh teach, 37, Sr. Chaoimhín (treasna an bhothair on scoil) are cíos leis an bhreis a fhreastail. Chuir an teach seo sé seomraí ranga ar fáil ach faoi 1897 agus le 925 micleinn are na rollaí bhi foirgneamh nua ag teastáil. Tosnaíodh an tógail i Lúnasa 1899 agus osclaíodh an scoil nua i 1901.

Faoi 1904 bhí brú arís ar spás do na ranganna agus tógadh 12, Cearnóg Rutland (anois Cearnóg Parnell) are cíos; freisin osclaíodh an scoil i Sráid Bolton i 1911.

Le bunú Saorstát Éireann i 1922 lean stiúiriú na scoile faoin sean Acht ach i 1924 athraíodh curam teagaisc teicneolaíochta ón Roinn Talmhaíochta go dtí an Rionn Oideachais. I 1930 tháinig an Acht Ghairm-Oideachais (1930) i bhfeidhm agus is ó shin i leith atá stiúiriú teagaisc teicneolaíochta faoi réir na gCoistí Ghairm-Oideachais ar fud na tíre.

Idir an dá chogaid domhanda ní mór an méadú a tháinig ar an scoil i Sr. Chaoimhín agus ní mór an athrú a tháinig ar raon na gcúrsaí. Ag direadh 1938 afach, bhí breis agus 2,000 micleinn (idir daltaí lae agus oiche) ar na rollaí agus bhí brú mór spáis arís ann. Aistríodh cuid de na cúrsaí go scoileanna eile sa chathair leis an mbrú a mhaolú agus san seisiún 1941/42 cuireadh leis na saotharlainn innealtóireachta.

Le tus an tarna chogaidh tháinig éileamh mhór ar chúrsaí nua. I 1940 bunaíodh cúrsa ar Sheirbhís Radio, cúrsaí reamh-Ollscoile ins na hAbhair Eargna; i 1942 bunaíodh cúrsa trí bliana in Innealtóireacht Radio, cúrsaí don Radharcmháisteoireacht, Poiticeireacht and Raidgradfadoireacht. Bunaíodh fresin cúrsaí Céime BSc d'Ollscoil Londain agus cé nach raibh ach beirt ar an gcúrsa i 1940 bhí 17 faoina bhun i 1949. Ins na blianta seo a tháinig crut Institiúide Triúleibhéil ar an gColáiste.

I dtús an chogaidh ní raibh ach seisear foirne seasmhach sa Choláiste, an Príomh-Oide san áireamh ach faoi 1950 mhéadaigh an uimhir seo go 22. San am seo bhí breis agus 2,000 macleinn ar na rollaí le 350 acu lánaimsireach. Bhí brú spáis arís ann.

I 1955 ceanaíodh dhá acra i Rae Port Chaoimhín agus i 1959 bhí na pleananna do choláiste nua críochnaithé; i 1963 thosnaigh an tógáil ar an bhfoirgneamh atá inniu ann. Osclaíodh an Coláiste nua go hoifigiúil i mí Mheithimh 1968.

Is fada an t-am é ó 1955 go 1968 agus i rith na treimhse sin tháinig athrú mhór ar chúrsaí an Choláiste. Faoi 1960 bhí 38 foirne seasmhach sa Choláiste agus bhí 21 cúrsaí lán-aimsireach dá reachtáil. I rith an ama seo freisin bunaíodh cúrsaí speisialta teagaisc do theicneoirí – teicneoirí innealtóireachta i 1960 agus 1962, teicneoirí saotharlainne leighis i 1963 and 1965 agus teicneoirí eargna i 1969. Tar-éis 1968 thosnaigh an Coláiste ag bronnadh a chuid teastaisí féin agus le blianta beaga anuas tá ceangail acadúil idir an Coláiste agus Coláiste na Tríonóide mar a bronnar Céimeanna Ollscoile san Eargna, san Daon-Bheathú, agus san Innealtóireacht ar mhicleinn a bhaineann Diploma an Choláiste amach.

I 1978 aontaíodh na sé Coláistí i mBaile Átha Cliath mar Institiúid amháin Teicneolaíochta faoi riar an Choiste Ghairm-Oideachais. Tugadh Institiúid Teicneolaíochta Bhaile Átha Cliath air agus is Coláiste den Institiúid é an ceann i Sráid Chaoimhín a bhaineann le h-Eargna agus le hInnealtóireacht Leictreach agus Leictreonach agus le cúrsaí gar-leighis.

I mbliana tá 200 d'fhoireann acadúil seasmhach sa Choláiste, 300 d'fhoireann pháirtaimsireach agus breis is 4500 micleinn. Tá 80 cúrsaí fó-chéimeach le fáil maille le aiseanna iar-cheimeacha agus Cúrsaí Proifisiúnta. Tá taighde iar-chéimeach agus iardhochtóireachta idir lamhaibh faoi dheontaisí ó eagraisí in Éirinn, ón Roinn Oideachais, ón Mórphobal Eorpach agus ó ionaidaithe eagsúla seachtracha eile.

Le mhéadú mhór ó 1980 anonn agus de bharr rachairt ar áiteanna ins na Coláistí Teicneolaíochta Triúleibhéil cureadh clár tógála i bhfeidhm a tugadh chun críoche i dtosach 1987 le foirgneamh agus aiseanna nua; tá 6500 meadair cearnach spáis breise curtha leis on Choláiste, 25 seomraí ranga, 1200 meadair cearnach de leabharlann nua agus an achar cheanna mar bhialann nua.

## **COLLEGE COUNCIL**

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### **COMHAIRLE AN CHOLÁISTE**

Councillor Liam Fitzgerald NT BA HDipEd TD (Chairman)

Councillor Michael Donnelly BComm FCA (Vice-Chairman)

Michael Cotter NT BA MEd

Patrick Donegan

Francis Brennan DipPE CEng FIEI MIERE AMIEE (Principal)

Seán Hanratty FIMLS (Representative of Industry)

Patrick McCarthy BSc PhD CChem MRSC FICI (Representative of Industry)

Kenneth A. O'Reilly BE MIE CEng MIEI MIMechE (Representative of Industry)

Patrick Laffan (Representative of DCTU)

Raymond Hatton MTC(DeptofEd) MIEI (Staff Representative)

Paul Darcy (Student Representative)





## **THE COLLEGE AND ITS DEPARTMENTS**

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### **AN COLÁISTE AGUS NA ROINN**

Applied Sciences and Engineering have been very strongly represented in the curriculum since the first college was opened in Kevin Street in 1887. From a beginning one hundred years ago with 10 academic staff teaching 78 students in 12 different subjects the College has developed and evolved over the intervening century to the present position where 200 fulltime and 300 part-time academic staff teach 4,500 students on 80 different courses in Engineering, Applied Science, Health Science, Food Science, Mathematics, Computing and Languages.

#### **Science**

The four Departments of Biological Sciences, Chemistry, Mathematics, Statistics and Computer Science and Physics provide 45 of the 80 courses offered in the College. The spectrum of tuition covers a broad range of fulltime technician diploma and fulltime degree/professional programmes in the disciplines associated with the four departments mentioned above in addition to providing closely associated opportunities for part-time and evening students. The science departments strongly subscribe to the academic ethos of the DIT in which students who have displayed ability in the first courses of their choosing and who possess the appropriate motivation are facilitated to progress to higher level courses within their fields of study. Students who obtain good results in Certificate and Diploma courses in the Regional Technical Colleges have also successfully transferred to higher level technician and degree/professional programmes in the Science and Mathematics Departments.

#### **Engineering**

The departments of Electrical Engineering and Electronic and Communications Engineering provide a range of courses which cater for some forty percent of the students presently enrolled in the College. These courses include technician, technician engineer and degree/professional level programmes as well as a number of part-time courses, many of which are designed to meet the needs of personnel in industry. Since 1975, The University of Dublin has awarded the degree of BSc(Eng) to successful graduates of the four-year wholetime Honours Diploma Course in Electrical Engineering. A major revision of this course was undertaken in 1982 to accommodate the many changes which have taken place in electrical/electronic engineering. This resulted in the introduction of three

specialist options in the areas of Electronic, Communications and Computer Engineering; Electrical Power Engineering; and Control Systems and Instrumentation Engineering. Many of the academic staff in the engineering departments are actively involved in research in these areas.

### **Long Association with Professional Institutes**

The College of Technology, Kevin Street is unique among Irish third level institutions in the provision of tuition for a range of courses leading to the Graduateship Examinations of the Professional Institutes catering for scientists and mathematicians. These links with the Scientific Professional Institutes have been developed over a long period of time. These programmes have afforded an opportunity to the person working in industry to acquire an academic qualification at least the equal of an honours degree and have also catered for those holding qualifications less than that of an honours degree or equivalent who wish by further study to obtain full professional qualifications. The Department of Biological Sciences provides courses for the examinations of the Institutes of Biology, Medical Laboratory Sciences and Food Science and Technology. The Department of Chemistry provides courses leading to the Examinations of the Royal Society of Chemistry. The Department of Mathematics provides courses leading to the Examinations of the Institute of Mathematics and its Applications, The Institute of Statisticians and the British and Irish Computer Societies. The Department of Physics has had a long association with the Institute of Physics and the Diploma in Applied Physics offered by that Department is recognised by the Institute of Physics as equivalent to an honours degree in Physics.

The engineering departments have for many decades provided courses to prepare students for the examinations of the professional institutions. The Institution of Engineers of Ireland originally accredited the degree-level course in the early seventies and for many years this course has been accepted by the Institution of Electrical Engineers as satisfying the academic requirements for Corporate Membership.

### **Department of Biological Sciences**

The Department of Biological Sciences caters for those students wishing to follow careers in Applied Biology, Medical Laboratory Sciences, Human Nutrition, Food Science and Technology, Veterinary Nursing and Medical Records

Administration. A three-year fulltime Technician Diploma in Applied Biology covering the study of Biochemistry, Microbiology, Biotechnology, Cell Biology, Food Science and Biomedical Science caters for those seeking a good technician qualification in Applied Biology. The College initiated courses in Medical Laboratory Sciences in Ireland and currently courses are provided at Certificate and Diploma Level. Furthermore, specialisation for the Special Fellowship of the Institute of Medical Laboratory Sciences is offered in Medical Bacteriology, Blood Group Serology and Transfusion, Clinical Chemistry, Haematology, Histopathology and Immunology.

The College welcomes the recent decision of the Department of Education sanctioning the provision of a degree programme in Medical Laboratory Sciences within the College. Since 1946 the DIT has provided the only course for the education and training of dietitians in the country and the Department of Biological Sciences now jointly teach and administer with the Faculty of Health Sciences in the University of Dublin an honours degree course leading to a BSc(Human Nutrition and Dietetics). The study of Food Science and Technology has been established in the College for over sixty years and courses are provided at pass and honours degree levels.

## **Department of Chemistry**

In 1976 the Department of Chemistry, Mathematics and Physics co-operated in initiating the Diploma in Applied Sciences. Graduates of this course also qualify for the award of the BSc(Applied Sciences) from the University of Dublin. All students on this course take Chemistry, Mathematics and Physics in Year 1. Two of these subjects are taken in Year 2 and the same two subjects studied in Year 3 and 4. Students graduate with an honours degree in two major science subjects and also satisfy the academic requirements for membership of the Royal Society of Chemistry, the Institute of Mathematics and its Applications and the Institute of Physics. All students take Management Studies and a continental Language (French or German) in the first three years of the course. This has been found by employers to be a very attractive and innovative aspect of an honours degree in science and has greatly facilitated many graduates in their careers.

The Department of Chemistry also provide a part-time course for the Royal Society of Chemistry. High level technician education is provided by a three year full-time course in Applied Chemistry. This course may also be taken on a part-time basis over six years. All chemistry courses in the College emphasise the applied aspects of chemistry, both industrial and analytical. Plastics technology is also included in industrial chemistry syllabuses.

## **Department of Mathematics, Statistics and Computer Science**

The Department of Mathematics, Statistics and Computing in addition to its fulltime degree programme also provides a fulltime three year course in computing. Suitably qualified candidates from this programme are eligible for exemption from the Part I examinations of the British Computer Society. Part-time professional education is catered for by the provision of programmes leading to the Professional Examinations of the Institute of Statisticians, the Institute of Mathematics and its Applications and the British Computer Society. The Department has research interests in a number of areas of pure and applied mathematics and has had a number of post-doctoral fellows in Mathematics since the inclusion of DIT in the Department of Education post-doctoral fellowship scheme in 1983.

## **Department of Physics**

The Department of Physics provides fulltime degree/professional programme in Physics and Ophthalmic Optics. The Diploma in Ophthalmic Optics is a four year course which provides the education and training statutorily required for entrants to the profession by the 'Opticians Act 1956'. The course is approved by Bord na Radharcmhastóirí (Opticians' Board) which is the Registration Authority set up under the act. The majority of graduates of this course are in individual private practice as Ophthalmic Opticians. Higher level technician education is provided for by a three year full-time course in Applied Physics. Subjects studied on this course include Applied Optics, Vacuum Technology, Materials Science, Medical Physics, Applied Photography, Electronics, Control Theory, a modern continental language and Industrial Studies.

Between 1968 and 1984 the Department of Physics prepared students for the Graduateship of the Institute of Physics Examination with considerable success. Three times within that period students of the Department obtained First Place in Britain and Ireland in the Examination. In 1984 the Department established its own Diploma in Applied Physics (DIT) to replace the Graduateship of the Institute of Physics Examination which has been phased out by the Institute. The Institute of Physics has recognised this new course as equivalent to an honours degree in physics and it satisfies the academic requirements of those seeking corporate membership of the Institute.

The Department of Physics has acquired a good reputation in Medical Physics over the years and many of the graduates of its courses have followed careers in various aspects of medical physics. The Department provides a three-year

part-time course for students working in the area of Medical Physics and Physiological Measurement. Since 1980 it has joined with the College of Commerce, Rathmines and with the Nursing Schools in St. James's Hospital and the Meath Hospital in providing a course leading to a Certificate in Sciences for Nurses.

Photography was among the subjects taught when the first College opened in Kevin Street in 1887. The Department of Physics provides the only educational course in Professional Photography Course in the country. The course extends over 5 years part-time and students must also hold appropriate employment.

### **Department of Electrical Engineering**

The Department of Electrical Engineering provides a range of third-level courses from technician to professional level. These include the four-year whole-time Honours Diploma course in Electrical/Electronic Engineering, a three-year whole-time Technician Diploma course, a part-time technician programme and courses in preparation for the examinations of the Engineering Council. Since 1975 The University of Dublin has awarded the degree of BSc(Eng) to students who have successfully completed the Honours Diploma course.

Because of the great diversity of present-day Electrical Engineering, it is inevitable that undergraduate courses tend to specialise in certain broad areas within the subject. This Department concentrates on the areas of Electrical Power, and Control Systems with particular emphasis on computer applications. Nevertheless, the whole-time courses cover a broad range of topics in Electrical Engineering in order that our graduates may continue to find employment in a wide spectrum of Engineering activities.

### **Department of Electronic and Communications Engineering**

Courses in Radio Communication were established in the College before 1918. At first these courses were primarily directed towards the needs of Marine and Aircraft Radio Officers, but in the mid 1930's professional and subprofessional courses in electronics and radio engineering were established. Qualifications at professional level were provided by the external examinations conducted by the Institution of Electrical Engineers and the British Institution of Radio Engineers (now the IERE) The City and Guilds of London Institute examinations provided the subprofessional level qualifications.

The Department at present provides a wide range of courses, both whole-time and part-time, at a variety of levels from technician to professional, in the fields of electronic engineering, communications engineering and computer engineering. The majority of the qualifying examinations are now those of the Dublin Institute of Technology, but courses for certain external Institutional qualifications are still conducted.

### **Department of Languages and Industrial Studies**

The Department of Languages and Industrial Studies provides, to the other Departments of the College, courses in Business and Management Studies, Communication Studies, General Studies & Modern Languages. Such courses are an integral part of all whole-time courses and of many part-time courses. The Department also provides a whole-time Certificate Course in European Languages for Business, courses in languages for Specific Purposes, a Post-Graduate Diploma Course in Applied Linguistics and a Post-graduate Diploma Course in Translation.

### **Department of Electrical Installation**

Electrical Apprentices represent the majority of the one thousand students in this Department, and the technical education of apprentice electricians has been looked after by the Electrical Installation Department since around the time of the First World War. The first apprentices were sent by Dublin Gas Company in 1918; a substantial amount of maintenance was necessary there due to the wide range of electrical equipment installed – including their own generating plant. In 1928 Dublin Corporation sent their apprentice electricians to Kevin Street and in 1938 a very successful block-release course for ESB apprentices commenced.

The present day block-release format is based on the original ESB Scheme, however day-release courses are also provided; the particular course attended depends on the requirements of employers. All apprentices are prepared for the Department of Education Junior and Senior Trade Examinations though a substantial number also successfully sit for the London City and Guilds Examinations.

The provision of evening courses has been a long established feature of the department's activities. These provide opportunities for apprentices to add to

their basic qualifications. Many evening students would already have completed their apprenticeships and some courses are specifically for post apprenticeship. Recently a new craft-based technician evening course was started; this caters for the electrical contracting industry in terms of providing personnel to fill higher technical and managerial positions.

Since 1975 a course in Electrical and Electronic Draughting has been running and is the only course at present in the Department not specifically for apprentices or electricians. This wholetime course prepares students for careers in drawing offices throughout the electrical and electronic industries.

## **Bakery Unit**

The Dublin Bakery School situated in the Kevin Street College is the only bakery school in the Republic of Ireland. It celebrated its Golden Jubilee in 1986. The School has been engaged in the training and education of bakery apprentices since its foundation. In 1973 a whole-time Diploma course in Bakery Production and Management was started to cater for the supervisory and management needs of the industry. This has proved to be a very popular course and since its introduction the demand for places has far exceeded the number available.

## **COLLEGE EXECUTIVE BOARD**

### **BORD FEIDHMIÚCHÁIN AN CHOLÁISTE**

The College Executive Board helps in co-ordinating the work of the College and its academic programmes. It comprises the Principal, Vice-Principals, Heads of Departments and the Secretary/Registrar. It has responsibility for approving and monitoring of courses leading to DIT and College awards, including examinations and student admission requirements. It also has an important role in promoting research and developing College academic policy.

#### **PRINCIPAL:**

F.M. Brennan DipEE CEng FIEI MIERE AMIEE

#### **VICE-PRINCIPALS:**

G.L. Latchford BE BSc CEng MIEI

J.K. Taaffe BSc MSc CPhys MInstP MBA HDipEd DipProd Barrister-at-Law

#### **DEPARTMENT HEADS:**

##### **Biological Sciences:**

Brid Ann Ryan BSc MSc CBiol MIBiol DipIndMicrob

##### **Chemistry:**

E.J. Rothery BSc CChem FRSC FICI MIBioll

##### **Electrical Engineering:**

J.C. Fisher BA BAI HDipEd PhD CEng MIEI

##### **Electrical Installation:**

Desmond McManus FTC(EEP)CGLI Final(EEP)DeptofEd

##### **Electronic and Communications Engineering:**

B.J. O'Connor CEng MIERE

##### **Languages and Industrial Studies:**

Kathleen M. Tierney MA

##### **Mathematics, Statistics and Computer Science:**

B. Goldsmith BSc MSc DPhil

##### **Physics:**

M. Hussey BE MS PhD CPhys FInstP CEng MIEE

#### **SECRETARY/REGISTRAR:**

D.C. Spring



## COLLEGE EXECUTIVE BOARD

## BORD FEIDHMIÚCHÁIN AN CHOLÁISTE



*F.M. Brennan*



*G.L. Latchford*



*J.K. Taaffe*



*B.A. Ryan*



*E.J. Rothery*



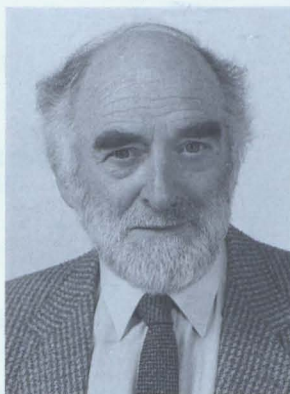
*J.C. Fisher*

**COLLEGE EXECUTIVE BOARD**

**BORD FEIDHMIÚCHÁIN AN CHOLÁISTE**



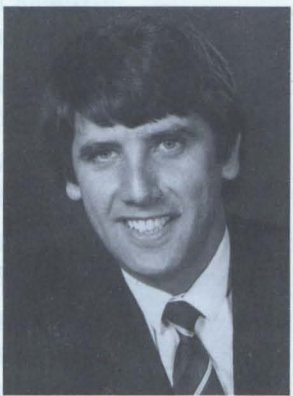
*D. McManus*



*B.J. O'Connor*



*K.M. Tierney*



*B. Goldsmith*



*M. Hussey*



*D.C. Spring*

## COURSES IN APPLIED SCIENCE, HEALTH SCIENCE, FOOD SCIENCE, MATHEMATICS AND COMPUTING

### CÚRSAÍ SAN EARGNA FHEIDMHEACH, GAR-LEIGHEAS, BIA-EOLAÍOCHT, MATAMAITIC AGUS RÍOMHAIREACHT

<b>Wholetime Degree &amp; Professional Courses</b>	<b>Ref.</b>	<b>Page</b>
Diploma in Applied Sciences BSc (Applied Sciences)	Wholetime WSAD	70
Diploma in Ophthalmic Optics	Wholetime WSO	74
Diploma in Human Nutrition and Dietetics BSc(Human Nutrition)	Wholetime WBD	77
Diploma in Medical Laboratory Sciences	Block-Release WAML	80
Degree Course in Medical Laboratory Sciences	Wholetime	81
Graduate Diploma in Food Science Technology of the Institute of Food Science and Technology (UK)	Wholetime WSFS	82
<b>Part-time Professional Courses</b>		
Fellowship of the Institute of Medical Laboratory Sciences Part I	Block-Release S10.1	88
Fellowship of the Institute of Medical Laboratory Sciences Part II	Block-Release S10.2	89
Graduateship of the Institute of Biology	Part-time PSIB	91
Graduate Diploma in Food Science and Technology of the Institute of Food Science and Technology (UK)	Evening S6.3	94
Diploma in Food Science	Evening S6	96
Graduateship of the Royal Society of Chemistry	Part-time PSIC	98
Diploma in Applied Physics	Part-time or fulltime PSAP	100
Graduateship of the Institute of Statisticians	Evening M6	102

## COURSES IN APPLIED SCIENCE, HEALTH SCIENCE, FOOD SCIENCE, MATHEMATICS AND COMPUTING

### CÚRSAÍ SAN EARGNA FHEIDMHEACH, GAR-LEIGHEAS, BIA-EOLAÍOCHT, MATAMAITIC AGUS RÍOMHAIREACHT

		<b>Ref.</b>	<b>Page</b>
Certificate in Mathematics/ Licentiate of the Institute of Mathematics and its Applications	Evening	M4	104
Diploma in Mathematics/ Graduateship of the Institute of Mathematics and its Applications	Evening	M7	106
Membership of the British and/or Irish Computer Society	Evening	M8	108

#### **Wholetime Technician Courses**

Technician Diploma in Applied Science (Biology, Chemistry, Physics)	Wholetime	WAS	112
Technician Diploma in Computer Science	Wholetime	WMT	115
Certificate in Medical Laboratory Sciences	Wholetime	WML	118
Diploma in Bakery Production and Management	Wholetime	WBT	121
Certificate in Optical Dispensing	Wholetime	WSTO	124

#### **Part-time & Evening Technician Courses**

Technician Certificate in Applied Science (Biology, Chemistry)	Part-time	PAS	128
Technician Diploma in Applied Science (Biology, Chemistry)	Part-time	PAS5 & 6	130
Science Laboratory Technicians' Diploma	Part-time	PSL4 & 5	132
Technician Diploma in Dental Technology	Part-time	PSDT	133
Photographic Technicians' Certificate	Part-time	PSPT	134
Technician Certificate in Medical Physics and Physiological Measurement	Evening	PBE	136

## **COURSES IN APPLIED SCIENCE, HEALTH SCIENCE, FOOD SCIENCE, MATHEMATICS AND COMPUTING**

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### **CÚRSAÍ SAN EARGNA FHEIDMHEACH, GAR-LEIGHEAS, BIA-EOLAÍOCHT, MATAMAITIC AGUS RÍOMHAIREACHT**

<b>Other Science &amp; Mathematics Based Courses</b>	<b>Ref.</b>	<b>Page</b>
Certificate in Professional Photography	Part-time PSP	140
Advanced Certificate in Professional Photography	Part-time PSP4 & 5	142
Certificate in Sciences for Nurses	Block-Release PSN	143
Course in Plastics	Evening PCP	146
Course for the Associateship of the Institute of Brewing	Evening PBA	147
Course for Registered Nursing Auxiliaries of the Royal College of Veterinary Surgeons	Evening S9	149
Course for the Institute of Meat	Evening S11	150
Course in Medical Records Administration	Evening S12	151
Course in Mathematics for Engineering	Evening M1	153
Course in Mathematics for Telecommunications	Evening M2	154
Course in Computing for the Electrical Contracting Industry	Evening M3	155
Course in Mathematics on a Microcomputer	Evening M5	156
Course in Cobol Programming	Evening M9	157
Course in Computing for Engineering	Evening M10	158
Bakery Practice	Part-time PSB	159
Confectionery Decoration Intermediate	Evening B1.2	160
Confectionery Decoration Advanced	Evening B1.3	160

## **COURSES IN ENGINEERING**

### **CÚRSAÍ SAN INNEALLTÓIREACHT**

<b>Wholetime Degree/Professional Courses</b>	<b>Ref.</b>	<b>Page</b>
Honours Diploma in Electrical/ Electronic Engineering BSc(Eng)	Wholetime SEE	162
Course for the Engineering Council Part II Examination	Wholetime WCE	165
<b>Part-Time Professional Courses</b>		
Course for the Engineering Council Part I Examination	Evening EE1	168
Course for the Engineering Council Part II Examination	Evening EE2	169
<b>Wholetime Technician Engineering Courses</b>		
Technician Engineering Diploma – Electrical Engineering	Wholetime WEET	172
Technician Engineering Diploma – Telecommunications & Electronics	Wholetime WRTT	175
<b>Wholetime Technician Courses</b>		
Technician Diploma in Electronic Engineering	Wholetime WRS	180
Technician Certificate in Electronics	Wholetime WRCE	183
Telecommunications and Electronic Technicians	Wholetime WRAL	185
Marine Radio – Electronics Officers	Wholetime WRO	187
Marine Radar – Maintenance Certificate	Full-time WRR	188
Post Office Engineering Technicians	Block-Release SRPO	189

## **COURSES IN ENGINEERING**

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### **CÚRSAÍ SAN INNEALLTÓIREACHT**

<b>Part-Time &amp; Evening Technician Courses</b>		<b>Ref.</b>	<b>Page</b>
Electrical Technicians Certificate	Part-time	PET	191
Electronic Servicing	Part-time	PRM	193
Electronic Equipment Maintenance	Evening	R1	194
Telecommunications Technicians	Evening	R6	195
Industrial Electronics for Electricians	Evening	R7	197
Digital Electronics and Microprocessors	Evening	R8	198
Electrical Technicians	Evening	ET	199

## **LANGUAGE COURSES**

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### **CÚRSAÍ SAN TEANGEALAÍOCHT**

Certificate in European Languages for Business	Wholetime	WLBS	202
Post-Graduate Diploma in Applied Linguistics	Evening	PLAL	204
Diploma in Translation	Evening	PDT	206
Modern Languages (Practical Use)	Evening	PCLL	207
Modern Languages for Specialist Purposes	Evening	PCLS	209

**COURSES ORGANISED BY THE DEPARTMENT OF  
ELECTRICAL INSTALLATION FOR ELECTRICAL  
APPRENTICES AND CRAFTSMEN AND DRAUGHTSMEN**

**CÚRSAÍ EAGRAITHE AG AN ROINN INSTEALLABHÚ  
LEICTREACH DO PHRINTÍSIGH, DO CHEARDAITHE  
LEICTREACHA AGUS DO DHRÉACHTÓIRÍ**

		<b>Ref.</b>	<b>Page</b>
Electrical and Electronic Draughting	Wholetime	ESED	212
Certificate Course for Electricians in the Aircraft Industry	Sandwich	SEAL	213
Certificate Course in Electrical Installation Work	Block-Release	SEAS	215
Certificate Course in Electrical Installation Work	Block-Release	PAA	216
Certificate Course in Electrical Installation Work	Block-Release	SESB	217
Certificate Course in Electrical Installation Work	Day-Release	PEI	217
Certificate Course in Electrical Installation Work	Block-Release	BESB	219
Certificate Course in Electrical Installation and Maintenance	Block-Release	SEM	221
Evening Course in Electrical Installation Work	Evening	T1	222
Craft Based Technician Certificate in Electrical Installation Technology	Evening	T3	224
Evening Course for Updating in Electrical Installation Technology	Evening	T4.1/2	226

**COURSES IN PHYSICAL EDUCATION**

<b>CÚRSAÍ SAN CORP OIDEACHAIS</b>	<b>227</b>
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## ENTRY REQUIREMENTS

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### CÁILÁÍOCHTAÍ RIACHTANACHA

#### A. Leaving Certificate

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

(a) For **Diploma Course in Applied Sciences**: Irish Leaving Certificate in six subjects (including English and a minimum of Grade B in Ordinary Level Mathematics) with Grade C or higher in two subjects taken at Higher Level (one of which must be Mathematics or Applied Mathematics or a Science Subject).

(b) For the **Honours Diploma Course in Electrical/Electronic Engineering**: Grade C or higher on Higher Level Papers in both Mathematics and Physics and Pass levels in four other subjects in the Leaving Certificate Examination including English.

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

(d) For **Certificate in Medical Laboratory Sciences**

(i) 1987/88 Session only

Irish Leaving Certificate in six subjects with Grade C or higher in Ordinary Level Mathematics. Subjects must include English and a suitable science subject.

(ii) 1988/89 onwards: Grade C or higher in two subjects taken at Higher Level (one of which must be Biology or Chemistry or Physics or Chemistry and Physics) in the Leaving Certificate Examination and Pass levels in four other subjects in the Leaving Certificate Examination (Mathematics, with at least a Grade C on the Ordinary Level paper and English must be among the subjects passed in all cases).

(e) **For other courses** requiring Leaving Certificate standard for entry: Pass in English, Pass in Mathematics, Pass in three other subjects in the Leaving Certificate Examination.

## **B. Senior Trade Certificate**

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 Institute of Technology which specify a pass in the Leaving Certificate Examination as the entrance requirement. Where endorsements subjects are not offered in the trade examination, a pass in an appropriate subject of the Elementary Technological Certificate Examinations of the Department of Education will be an acceptable equivalent.

## **C. General Certificate in Education**

Candidates may present either (a) 3 A-Levels or (b) 2 A-Levels and 2 O-Levels or (c) 1 A-Level and 4 O-Levels or (d) 6 O-Levels.

## **D. International Baccalaureate**

The minimum entry requirement with this qualification is:

(i) For Professional/Degree Courses:

Two Subjects at Grade 5 (Higher Level) and four subjects at Grade 4.

(ii) For Non-Professional Courses:

Five Subjects.

International Baccalaureate grades can be equated to Leaving Certificate grades and the points calculation made accordingly.

Leaving Certificate requirements such as Mathematics and or English would also apply in the same way for I.B. However specific course requirements must also be satisfied in common with Leaving Certificate applicants.

## **E. Career Foundation Courses in CDVEC Schools**

Applicants may gain entry to a course by this mechanism if they meet the appropriate standard.

## **F. Equivalent Qualifications**

Attainment which the College regards as equivalent to these specified in A to E may be acceptable.

## **G. Deferred Entry**

Applicants may be permitted this facility under certain agreed conditions.

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

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

Where the entry requirement to a particular course is other than as stated in (A) to (E) 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.

## METHOD OF APPLICATION

### MODH IONTRÁLA

#### (a) Degree Level Courses in C.A.O. Scheme

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

College Code	CAO Code	Course Description	Minimum Points in 1986**
SEE	FT 21	Honours Diploma in Electrical/ Electronic Engineering	35
WSAD	FT 22	Diploma in Applied Sciences	28
WBD*	FT 23	BSc(Human Nutrition)	—

\*This course is administered jointly by the Dublin Institute of Technology (College of Technology, Kevin Street) and the University of Dublin (Trinity College).

\*\*See note on selection procedures.

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

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

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

CAO Closing Date: Irish Applicants – 1st February 1987 (17.15 hrs)

Application Fees: Irish Applicants.....IR£18.00  
Late Application Fee.....IR£40.00

#### Note:

(i) There will be a period of grace for the receipt of Irish applications during which such applications may be accepted at a fee of IR£26.00. This period will last from February 2nd to March 1st inclusive.

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

(iii) Applicants should note some specific exclusions from the CAO scheme on page 14 of the CAO Handbook e.g. mature and overseas students, together with students applying for the second or subsequent years of a degree course. These should apply direct to:

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

## (b) Technician and other Wholetime Courses

Application for admission to technician and other wholetime courses listed below, which are not in the CAO system should be made to the Dublin Institute of Technology on the standard form. Packs containing the necessary Part I Application Form, Bank Giro Form and DIT Handbook are available on request.

College Course	Course Description	Minimum Points in 1986**
WML	Certificate in Medical Laboratory Sciences	—
WMT	Technician Diploma in Computer Science	34
WAS	Technician Diploma in Applied Science	27
WSO	Diploma in Ophthalmic Optics	—
WBT	Diploma in Bakery Production and Management	—
WEET	Technician Engineering Diploma/Electrical Engineering	30
WRIT	Technician Engineering Diploma/Telecommunications and Electronics	34
WRS	Technician Diploma in Electronic Engineering	31
WRCE	Technician Certificate in Electronics	24
WLBS	Certificate in European Languages for Business	35

\*\*See note on selection procedures.

The DIT applications procedure for 1987/88 session is divided into two parts:

### Part I:

This involves the submission of a completed Part I DIT application form accompanied by Section A of the BANK GIRO duly stamped to certify that the appropriate application fee, as shown below, has been lodged.

These should be forwarded to:

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

to reach there not later than 13th February 1987 (1st March on payment of higher fee). Applications will be acknowledged within one month of their arrival. Applicants who have not received an acknowledgement within that time should write to the DIT Admissions Office, preferably on a postcard.

## DIT Application Fee:

Applications received on or before 13th February 1987.....£5  
Applications received between 14th February and 27th February 1987.....£10

**Applications received after 27th February may be considered for some courses on payment of the prescribed late fee.**

### Part II:

Applicants other than transferees, mature and overseas applications (see page 46) will be sent Part II of the DIT application form during the week commencing 27th July, 1987 to the permanent home address given on their Part I DIT application forms.

The date by which the Part II DIT application form must be returned to the Institute will be clearly shown on it when issued. It is likely that this will be the 21st August, 1987.

The Part II form requires applicants to notify the Institute of their 1987 Department of Education Leaving Certificate results. It is recognised that some applicants may wish to change the order of and/or replace any or all of their original course preferences at this stage in the light of their 1987 School Leaving Certificate Results or new career plans. The Part II form is intended to facilitate this in so far as it is possible.

The return of Part II of the DIT application form is **an essential part of the application procedure**. Candidates not returning it to the DIT Admissions Office by the specified closing date will not be considered further by the Institute. The applications will be deemed to have lapsed.

**Note:** The application procedure for other whole-time courses is indicated in the course descriptions later in this Calendar.

### (c) Part-Time and Evening Courses

It is advisable but not necessary to make application for admission to part-time and evening courses in advance of the enrolment date for the course, but not normally before 1st September.

Enrolment will commence on 15th September 1987 and intending applicants should report in person to the College during the scheduled enrolment hours.

## SELECTION PROCEDURES (WHOLETIME COURSES)

### MODH ROGHNÚCHÁIN (CÚRSAÍ LÁN-AIMSEARACHA)

Applicants are placed in order of merit in accordance with the following points system allocated to the best results in six subjects (including Mathematics and English) obtained in one or more School Leaving Examinations having regard to the relevant course entry requirements. In the case of some courses, applicants may be called for interview. The results of interview may be combined where appropriate with the total points scored in the best six subjects referred to above. Interviews are normally held in late August or early September. As a guide only, the minimum number of points which obtained places in 1986 are indicated in the list of courses above (where interviews did not take place). It cannot be taken as being the position for 1987.

### POINTS FOR DIFFERENT GRADES

Points	Leaving Certificate		N.U.I.	T.C.D. Matric		G.C.E.	
	Higher	Ordinary	Matric	Maths	Other	A Level	O Level
15						A	
12						B	
10						C	
9	A	—	—	—	—		—
7	B	—	I	—	—	D	—
6	C	—	—	—	—		—
5	—	A	II	—	A	E	—
4	D	—	—	—	—	—	—
3	—	B	III	O	B		A
2	—	C	IV	P	C	—	B
1	—	D	—	—	D	—	C

**Note:** Special weighting factors are effected on these points for some courses. Details of the weightings are provided later in this Calendar, under the entries for the individual courses.

## SPECIAL CASES

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### CÁSANNA SPECIALTA

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

#### **(a) Trade Students**

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

#### **(b) Mature Students**

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

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

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

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

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



## OVERSEAS STUDENTS

### MICLEINN EACTRACHA

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.

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

Foreign students coming to study in Ireland are subject to the rules governing entry of aliens as set out in the **Aliens Act** (1935), **Aliens (Amendment) Order** (1975) and **Aliens Amendment Orders** (1985) and (1986).

Foreign students **not** being citizens of a state specified in the SIXTH SCHEDULE below are required to hold a valid Irish visa on arrival in Ireland.

#### Sixth Schedule

Andorra	Gambia,	Mauritius	Switzerland
Argentina	Germany	Mexico	Tanzania
Australia	(Federal Republic)	Monaco	(United Republic of)
Austria	Ghana	Nauru	Tonga
Bahamas	Greece	Netherlands	Trinidad and
Bangladesh	Grenada	New Zealand	Tobago
Barbados	Guatemala	Nicaragua	Tunisia
Belgium	Guyana	The Nigeria	Turkey
Bolivia	Honduras	Norway	Uganda
Botswana	Iceland	Pakistan	United States of
Brazil	India	Panama	America
Canada	Israel	Paraguay	United Kingdom
Chile	Italy	Peru	and Colonies
Colombia	Jamaica	Portugal	Uruguay
Costa Rica	Japan	San Marino	Vatican City
Cyprus	Kenya	Sierra Leone	Venezuela
Denmark	Lesotho	Singapore	Western Samoa
Ecuador	Liechtenstein	South Africa	Yugoslavia
El Salvador	Luxembourg	(Republic of)	Zambia
Fiji	Malawi	Spain	Zimbabwe
Finland	Malaysia	Swaziland	
France	Malta	Sweden	

Foreign students coming from states not included in the Sixth Schedule above are advised to contact the Irish diplomatic mission in their home country. Those who do not have a diplomatic mission in their home country must apply for a visa well in advance of their proposed date of departure from their home country to:

**Consular Section**  
**Department of Foreign Affairs**  
**Saint Stephen's Green, Dublin 2**

In their application students must supply the following information:

Valid Passport Number

Date of issue and expiry of Passport.

Date, place and mode of arrival in Ireland.

Letter from University/College indicating that they have been offered a place in a recognised educational establishment.

Letter indicating the source of funding to cover fees and maintenance.

All foreign students with the exception of students from Great Britain must register with the Aliens Office within **one month** of coming to Ireland. On registering students must produce the following evidence:

Valid Passport.

Four Passport photographs.

Evidence in the form of a letter that they are full time students at an Irish educational establishment.

Letter of maintenance from parent/guardian or scholarship agency.

Address of residence in Ireland.

**Address of Aliens Office**

For students studying in Dublin:

Aliens Office, Harcourt Court

Harcourt Street, Dublin 2

Telephone (01) 732222

Further information regarding immigration, financial matters, aliens regulations, money and exchange controls is available on request to foreign students from the Irish Council for Overseas Students, (ICOS), 41 Morehampton Road, Dublin 4. **Telephone + 353-1-605313**

## GRANTS AND SCHOLARSHIPS

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### DEONTAISÍ AGUS SCOLÁIREACHTAÍ

#### **Local Authority Grants**

Students who register for the professional or degree level courses conducted by the College are eligible to apply to the Local Authority, within whose jurisdiction their parents or guardians normally reside, for a Higher Education Grant.

Information on eligibility, conditions and application forms are available from the appropriate Local Authority (County Council or Corporation).

#### **VEC Scholarships**

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

#### **ESF Training Grants**

ESF (European Social Fund) training grants may be available to Irish students aged between 16 and 25 years while they are pursuing the first two years of certain courses provided their attendance record and general performance is satisfactory. These grants cover tuition fees and also provide for payment of a monthly allowance.

## ADMISSION AND ENROLMENT

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### IONADÚ AGUS CLÁRÚ

1. In the session 1987/88 the latest date for admission of students to classes commencing in the first term is 16th October, 1987. Only in exceptional circumstances will applicants be admitted after that date and a late entry fee will be payable (for session 1987/88 this fee is £30). Under no circumstances will such applicants be admitted after 31st December, 1987.

2. Intending students should note the statement on Entry Requirements for admission to the College on page 39. Before acceptance of an application for admission to 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 member of staff 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.

3. Successful applicants for wholtime courses will be notified in writing in early September and invited to register for the course immediately. Students attending for registration and enrolment are required to have the following;

- (a) Letter of admission to the course.
- (b) Three copies of a recent passport size photograph signed on the back.
- (c) CAO offer notice Part 2, or DIT offer notice Part 2, duly stamped by the bank confirming payment of initial deposit.
- (d) Section 1 of Giro invoice stamped by the bank verifying payment of the balance of fees due, or a letter from a Local Authority or VEC or other recognised body stating that it will fully guarantee payment of tuition fees.

**4. 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.**

5. Fees are not refundable except where a class or course does not form.
6. On the first enrolment new students will be issued with an Identity Card. For this purpose and for the College record students must provide each year, 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 £3 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.**

7. Change of address or place of employment should be reported to the Secretary/Registrar immediately.
8. 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, or where College resources are deemed inadequate. If for some urgent reason a teacher cannot attend, classes may be cancelled without notice.
9. 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 AT CLASSES AND COURSES**

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### **FREASTAIL AR RANGANNA AGUS CÚRSAÍ**

1. Day classes will normally be held between 09.00 and 18.00 hrs. each weekday except Saturday. Evening classes will normally be held between 18.00 and 22.00 hrs.
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 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 since 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

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### SCRÚDAITHE

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. (It should be noted that the City and Guilds of London Institute do not consider late entries for their examinations). Where students are in doubt regarding examination arrangements they should make enquiry through the Secretary/Registrar's Office.

#### External Examining Bodies:

Department of Education  
City & Guilds of London Institute  
Institute of Biology  
Institute of Food Science & Technology  
Institute of Hospital and Health  
Services Administrators  
Institute of Linguistics

Institute of Mathematics & its Applications  
Institute of Medical Laboratory Sciences  
Institute of Statisticians  
The British Computer Society  
The Engineering Council  
Royal College of Veterinary Surgeons  
The Royal Society of Chemistry

6. (i) Each student on a course having mandatory College examinations must make application on or before 20th February, 1988, 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 20th, 1988, 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 69.

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

(iii) The fees for the College Examinations for the session 1987/88 are £25 for all Certificate and Diploma Examinations or any part thereof.

(iv) Applications for entry to examinations received after 20th February, 1988 in the case of Summer examinations and after 20th July, 1988 in the case of Supplemental examinations, will be considered by the College only where they are accompanied by a Late Entry Fee of £25. Under no circumstances will applications for entry to examinations be considered if received later than 31st March, 1988 in the case of Summer Examinations or 5th August, 1988 in the case of Supplemental 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. 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.



## **GENERAL EXAMINATION REGULATIONS PERTAINING TO WHOLETIME COURSES**

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### **RIALACHA GINERALTA SCRÚDÚ DO CÚRSAÍ LÁN-AIMSEARACHA**

All examinations on courses leading to DIT awards in the College are subject to:

(a) the General Examination Regulations of DIT which are available for inspection in the College Library and

(b) the Examination Regulations of the College, as listed below.

1. Progress from one year of a course to the next will be permitted only to those students who have completed the earlier year and have passed the required examinations as specified in the appropriate course regulations.

2. Students on courses having mandatory College examinations are required to pass the sessional examinations of 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 these examination sittings will not normally be re-admitted to the course nor be permitted to resit the examination in later years, except with the special permission of the Principal. Where such permission is granted it shall extend to the following Summer and/or Supplemental sitting only. It should be noted that no Supplemental Examinations are held for the final year of any College Certificate or Diploma Course,

3. A student who, at the first sitting (i.e., in the case of sessional examinations, the Summer sitting) fails to achieve a pass level as specified in the appropriate course regulations

(i) in not more than two written papers will be required to resit only the papers concerned at the Supplemental sitting.

(ii) in more than two written papers will be required to resit all the written papers at the Supplemental sitting or, in the case of final examinations, at the next examination sitting.

What shall constitute a written paper for the above purpose, will be specified in the appropriate course regulations.

4. Where mandatory coursework (assignments, projects, etc. as defined in the appropriate course regulations) is specified for any year of a course, failure to achieve the required level of performance in that work, will result in failure of the entire year and the student will not be permitted to sit the supplemental examination (if any) for that year.
5. Failure to sit an examination, except in very special circumstances and at the discretion of the Principal, will automatically result in failure in the paper or papers concerned.
6. Except in very special circumstances and at the discretion of the Principal, students will not be permitted to sit Supplemental examinations unless they take the sitting of the examination in its entirety.
7. A student who fails any paper in the Supplemental examination shall not be eligible to proceed to the next year of the course except in very special circumstances and at the discretion of the Principal.
8. In the case of a student whose performance in the majority of papers in a given examination sitting is especially satisfactory but who fails to satisfy in not more than one paper, it will be open to the Examination Board to offset the particularly good performance against the deficiency. In so doing the Examination Board, subject to the specific regulations of each course, will have particular regard to the extent of the deficiency.
9. 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.
10. Students wishing for a recheck of an examination result should make written application to the Principal within seven days of the issue of their results, specifying the grounds on which the request is made.
11. 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 the prescribed fee (non-returnable).

## **CONDUCT AND COLLEGE REGULATIONS**

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### **IOMPAR AGUS RIALACHA AN CHOLÁISTE**

1. Students must at all times obey the lawful instruction 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 Classrooms, 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 the it has been granted, and the official receipt is returned when seeking the refund.
5. Parking of bicycles is permitted only in the space provided by the College. 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 (at those times when supervision is provided by the College), 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.

## DEGREES FROM THE UNIVERSITY OF DUBLIN

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### CÉIMEANNA Ó OLLSCOIL BHAILE ÁTHA CLIATH

As a result of the Partnership Agreement between the University of Dublin and the City of Dublin Vocational Education Committee some professional degrees are awarded by the University of Dublin to students graduating from certain recognised courses in the Colleges of the DUBLIN INSTITUTE OF TECHNOLOGY. A fee is payable to the University of Dublin by those who present themselves for the degree award.

The following courses taught in this College are covered by the above mentioned agreement;

**A. (i) Honours Diploma in Electrical/Electronic Engineering** (Ref: SEE)

Graduates of this course are eligible for the award of BSc(Eng) from the University of Dublin with the same honours classification as obtained in their Diploma.

**(ii) Diploma in Applied Sciences** (Ref: WSAD)

Graduates of this course are eligible for the award of BSc(Applied Sciences) from the University of Dublin with the same honours classification as obtained in their Diploma.

**B. The BSc(Human Nutrition)** is taught and administered jointly by the Dublin Institute of Technology, Kevin Street and the University of Dublin. Students are registered students of both institutions and on passing the prescribed examinations become graduates of both institutions.

All communication in respect of the award of the above degrees would be addressed to:

**The Proctor's Office,  
West Theatre,  
Trinity College,  
Dublin 2.**

## **ADMINISTRATION**

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### **RIARACHÁN**

#### **SECRETARY/REGISTRAR:**

David C. Spring

#### **ACCOUNTS OFFICE:**

Senior Post Vacant

#### **REGISTRATIONS/ADMISSIONS OFFICE:**

Senior Officer: Maurice Boland

#### **EXAMINATIONS SECRETARY:**

Nuala McGlade

#### **SECRETARY TO THE PRINCIPAL:**

Annemarie O'Connell

#### **SECRETARY TO VICE-PRINCIPAL:**

Vacant

#### **SECRETARY TO REGISTRAR:**

Theresa Grogan

#### **CLERICAL STAFF:**

Mary Browne	Yvonne Cooke	Ide Farrelly	Jackie Harrington
Claire Herdman	Joan Horgan	Joan McElwain	Doris Mulhall
Brenda McClean	Lillian Nolan	Nuala O'Connor	Colm O'Regan
Dymphna White			

#### **TECHNICAL STAFF (Reprographics)**

Elma Flanagan MSGAI

A. Cromie AMIRT(C&G)

C. Ingle MIRT(C&G)

#### **MAINTENANCE SUPERVISOR:**

Andrew Farrelly

#### **HEAD PORTER:**

Nicholas McCormack

#### **COLLEGE OFFICE HOURS**

The Office will be open for enrolment of students as follows:

Monday - Thursday: 09.30/12.00; 14.00/16.00. Friday: 11.00/12.00; 15.00/16.00 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 interview or consultations except by prior appointment.

## TUITION AND EXAMINATION FEES SESSION 1987-88

### TAÍLLÍ TEAGAISIC AGUS TAÍLLÍ SCRÚDAITHE 1987-88

	Fee Per Academic Year
<b>WHOLETIME COURSES</b>	
SEE:	£800
WBD (2nd, 3rd and 4th years: £881)	£1003
WSAD: WSO: (WSO 4th year: £425):	£640
WSFS: WCE:	£615
WAS: WMT: WBT: WSTO: WEET: WRS: WRCE: WRTT: WLBS:	£400
WML (WML 3rd year: £185):	£400
WAML:	£185
WRR: WRO: WRAL: SEAL:	£375
<b>PART-TIME COURSES</b>	
PSIB: PSIC: PSAP: PAS: PSL: PET	£160
PSPT: PSP:	£265
<b>BLOCK RELEASE COURSE</b>	
PSN (2nd and 3rd years: £55)	£65
<b>EVENING COURSES</b>	
M8: S6.3: PBE: PCP: PBA: T5:	£160
M1: M2: M3: M4: M6: M7: M9: S6: S9: S11: S12: EE.1: EE.2: B1.2: B1.3: R1: R6: R7: R8: ET:	£115
T1: T2: T3: T4: PCLL: PCLS:	£115
S10 (1 week block £120):	£380
PLAL: PDT:	£200
<b>NOTE: The fee indicated for all wholetime courses includes the College examination fee (where applicable) for Summer examinations 1988. Fees may be subject to revision without notice.</b>	
College Examination Entry Fee (see note above):	£25
Late Registration Fee:	£30
Tuition Fees for Overseas Students (non-EEC Countries):	£1717

# **THE LIBRARY**

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## **AN LEABHARLANN**

### **Introduction**

The Library plays a vital role in any academic institution. The College has readily recognised this importance, by the recent completion of an extensive new library.

### **Stock**

The College Library presently holds a stock of about 27,000 volumes to which it adds about 3,000 volumes per year. It is possible to borrow most of the books in stock, except for recommended course texts which are placed in the Reserve Section, for consultation in the library only. There is also a collection of Standards and Reference Section containing encyclopaedias, directories, handbooks etc.

The Library also subscribes to more than 350 journal titles and a wide selection of current abstracts and indices. These may not be borrowed; a photocopying service is available. In circumstances where the Library stock may not meet specific requirements an excellent inter-lending service from libraries in Ireland and abroad is available.

The total stock held by the Library represents not only the subjects covered by all courses but also provides for reading in cognate fields.

### **Opening Hours**

The Library is open during term-time from 09.30 hr. until 21.30hr. Monday to Friday and from 09.30hr to 17.30hr most Saturdays – a total of 67 hours.

During vacation the opening hours are 09.30hr. to 17.30hr Monday to Friday only.

### **Access to the Library**

Each student wishing to use the Library must first complete a membership card and produce a current college identity card. All library users are required to abide by the Library regulations, a copy of which is available on the first visit.

### **Library Facilities**

In order to use the Library resources most effectively students are encouraged to consult the Library Staff, who will always welcome enquiries and requests. Arrangements may be made with the Senior Librarian for group talks to be given on various library procedures - for example the use of the author and subject catalogues.

Other sources of information pertaining to the Library include 'recent accessions' lists, and a list of journals taken by the Library. A comprehensive list of periodical holdings of major libraries in Ireland is available on microfilm.

The Library subscribes to various external services - for example Trinity College Information Service, The British Standards Institution, and the British Library Document Supply Centre. Those wishing to avail of any of these services should enquire from the Library Staff.

### **Library Staff**

Mary Davis BSc DipLib (Senior Librarian)  
Aoibhinn Hogan  
Brendan McGrath  
Martina Maher

## **STUDENT SERVICES**

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### **SEIRBHÍSÍ MHIC-LEINN**

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, 611133 or from the College Students' Union. The Office plans to produce a regular news-sheet, the 'Student Services Bulletin', during the year to keep students up to date on its activities.



## CHAPLAINS

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### SÉIPLÍNEACHA

The Chaplains play an important part in the life of the College as a community. Their work is primarily one of pastoral care and is directed not only towards students but also towards all who help organise, run and maintain the College.

While much of their work is of a spiritual nature, they do not see their role as confined to religious or denominational care. Rather it is their task to help people where they are, within the framework of their own requirements and beliefs. They are also a useful source of general information and will often refer people to the wider specialist caring services available both within and without the CDVEC system.

The Chaplains are easily contacted in their offices which are centrally situated close to the link between the new and old buildings.

#### **Catholic**

Fr. Ronan Geary, SJ

Fr. Brendan Staunton, SJ

#### **Church of Ireland**

Dean Victor G. Griffin

#### **Methodist**

Rev. Donald Kerr

## CAREERS ADVISORY SERVICE

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### SEIRBHÍS GHAIAM TREORACH

It is not unnatural for students just commencing a three or four year programme of study, to feel that matters concerning their post-graduate career will be of little concern for some years to come. In some respects this is true. There are however, certain choices which students will have already made such as the school subjects they have studied, the third level courses they have applied for - and others which they will make at intervals over the next few years which have a bearing on the direction of their future career. The Career Advisory Service can be helpful to the student in dealing with these choices.

In essence the Service provides information, advice and placement assistance. The placement activity is primarily directed towards the needs of final year students and students seeking career oriented summer employment in their penultimate year. The service to new students is largely one of advice and information.

The courses of academic study which students enter will develop their skills, their base of expertise and their personal qualities in a way suitable to the needs of employers and of the community at large. However, employers who recruit staff from the pool of new third level graduates look for additional indicators of suitability. It is prudent, therefore, for the new student to consider how leisure and vacation time may be best used to amplify the educational and training content of his or her course of study. The staff of the Careers Advisory Service can assist in this regard and in other aspects of career preparation.

The office is located in Room B4 on the basement floor.

#### **For Careers in Applied Sciences, Health Sciences, Food Science and Computing: -**

Dr. D.C. Hickey  
Tel: 757541 Ext.336

#### **For Careers in Engineering:**

Mr. M. Rice  
Tel: 757541 Ext.335

## POST-GRADUATE STUDIES

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### STADÉIR IAR-CHÉIMEACH

In addition to its undergraduate programmes, the College also welcomes applications from well-qualified candidates wishing to undertake research leading to higher degrees (MSc and PhD). At present such research may be undertaken in the departments of Biological Sciences; Chemistry; Electrical Engineering; Electronics and Communications Engineering; Mathematics, Statistics and Computer Science and Physics. Successful candidates will be assigned a supervisor from the appropriate discipline and arrangements (usually with the University of Dublin) will be made to register students for the appropriate degree. Financial support in the form of a limited amount of teaching duties may be provided to particularly well-qualified candidates.

Additionally students with an upper second-class degree or better are eligible for Department of Education Post-Graduate Scholarships. Specialized research awards may also, in some cases, be tenable in the College. Prior to formal application, intending candidates should seek advice from the Head of the appropriate Department.

The College also participates in the Department of Education's Post- Doctoral Fellowship Scheme. This scheme enables recently qualified graduates at the PhD level to pursue research in the College (usually in collaboration with a member of staff). Further details of this and the post-graduate programmes may be obtained from: –

Mr. J.K. Taaffe, Vice-Principal

or

Dr. B. Goldsmith, Chairman, Research Committee

## OVERSEAS DEVELOPMENT AID

### CABHAIR FORBARTHA THAR SÁILE

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Following a feasibility study undertaken by Bríd Ann Ryan, Head of the Department of Biological Sciences in 1977, the Irish Government agreed with the Government of Lesotho to fund a training programme for medical laboratory personnel in Lesotho under its bilateral aid programme. This programme is designed to train Basotho technicians in Lesotho and Ireland to service their 17 hospitals and 88 health clinics. The course qualifies about 10 technicians each year.

In 1982 the Dublin Institute of Technology began granting an external award to graduates of this course. In 1985 a new Certificate Course in Medical Laboratory Sciences for Laboratory Technicians was initiated under the programme and this course was also recognised by the Dublin Institute of Technology for an external award.

Academic staff of the College have to-date participated in the project in addition to medical laboratory technologists who have been seconded to the project by the various health boards and hospitals.

Staff have been seconded to other Development Aid Programmes at the request of HEDCO and the Department of Foreign Affairs.

The College is represented on the Executive Committees of HEDCO and the Irish Council for Overseas Students by Ms. B.A. Ryan and Mr. J.K. Taaffe respectively.

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*Mr. Tom Scott, Lecturer in Medical Microbiology carrying out an experiment on antibiotic production using a fermenter.*



DIPLOMA IN APPLIED SCIENCES

Former

College Code: WSAO

CAO Code: FT 22

Duration: Four years

Description: This course has been designed to cover those areas of Physics, Chemistry and Mathematics which will be of the widest application in industry. It provides for great flexibility in the fields in which graduates may usually be employed. There is considerable emphasis in the course on practical and applied work.

**WHOLETIME  
DEGREE/PROFESSIONAL COURSES  
IN  
APPLIED SCIENCE  
HEALTH SCIENCE  
FOOD SCIENCE**

Chemistry and Physics

Physics and Mathematics

Mathematics and Applied Science

Applied Science

Health Science

Food Science

Minimum Entry: (a) High Learning Certificate in any subject including Mathematics and English with grade C or higher in two subjects on higher level papers, or an equivalent must be Mathematics, Applied Mathematics or a Science subject i.e. Physics, Chemistry, Physics with Chemistry or Biology and at least Grade B in Ordinary Level Mathematics.

(b) such qualification as the College may deem equivalent.

Note: It must be emphasised that the above are the minimum entry requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

Applicants should apply on the standard CAO application form to the:

**IMPORTANT**

Applicants should note that for Session 1988/89 onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

Closing Date: 1st February

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## DIPLOMA IN APPLIED SCIENCES

**Former**

**College Code:** WSAD

**CAO Code:** FT 22

**Duration:** Four years wholetime

**Description  
of Course:**

This course has been designed to cover those areas of Physics, Chemistry and Mathematics, which will be of the widest application in Industry. Being a course in combined sciences, it provides for great flexibility in the fields in which graduates may usefully be employed. There is considerable emphasis in the course on practical and applied work. The Diploma will be awarded in terms of the technical options studied for the final three years of the course as follows:

**Chemistry and Physics**  
**Physics and Mathematics**  
**Mathematics and Chemistry**

In the final year a research/development project is undertaken by each student in one of the subjects in the option they have chosen. In the past a number of these projects have led to post – graduate research while others have led to products with commercial potential.

**Minimum Entry  
Requirements:**

(a) Irish Leaving Certificate in six subjects including Mathematics and English, with grade C or higher in two subjects on higher level papers, one of which must be Mathematics, Applied Mathematics or a Science subject i.e. Physics, Chemistry, Physics with Chemistry or Biology and at least Grade B in Ordinary Level Mathematics.

or

(b) such qualification as the College may deem equivalent.

**Note:** It must be emphasised that the above are the minimum entry requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

Applicants should apply on the standard CAO application form to the:

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

**Closing Date:** 1st February

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**First Year:**

**Physics** — Electricity and Magnetism, Thermal and Mechanical Properties of Matter, Mechanics, Modern Physics, Geometrical Optics, Vibrations and Waves, Physical Optics.

**Mathematics** — Calculus and Linear Algebra, Computing, Mechanics.

**Chemistry** — Inorganic Chemistry, Physical Chemistry, Organic Chemistry.

**Management Studies.**

**Language** — French or German.

**Second Year:**

**Physics** — Circuit Theory, Physical Electronics, Electromagnetic Theory, Mechanics, Quantum Physics and Relativity, Wave Theory, Geometrical and Physical Optics, Thermodynamics, Kinetic Theory, Workshop Practice.

**Mathematics** — Linear Algebra, Numerical Analysis, Statistics 1 & 2, Analysis, Differential Equations.

**Chemistry** — Analytical Chemistry, Physical Chemistry, Organic Chemistry, Inorganic Chemistry, Industrial Chemistry.

**Ancillary Mathematics** — (For those students who have not taken the Mathematics option).

**Management Studies.**

**Language** — French or German.

In the second and subsequent years students take two out of the three major science subjects (Physics, Mathematics, Chemistry).

**Third Year:**

**Physics** — Atomic and Nuclear Physics, Solid State Physics, Electromagnetism and Applied Optics, Electronics, Microprocessors, Topics from Applied Biophysics.

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**Mathematics** — Mathematical Methods of Classical Mechanics, Mathematical Methods for Quantum Science, Numerical Analysis, Complex Analysis, Algebraic Structures and Metric and Topological Spaces.

**Chemistry** — Applied Physical Chemistry, Analytical Chemistry, Applied Inorganic Chemistry, Applied Organic Chemistry. Unit Operations: Solvent Extraction, Distillation.

**Ancillary Mathematics** — (For those students who have not taken the Mathematics option).

**Management Studies.**

**Language** — French or German.

**Fourth Year:**

**Physics** — Solid State Physics, Thermodynamics and Statistical Physics, Electrical and Electronic Instrumentation, Modern Applied Optics, Radiation and Nuclear Physics, Acoustics, Lasers, Opto-electronics and Applied Holography, Topics from Applied Biophysics.

Students take the first four subjects and two of the last four subjects. All combinations of the latter will not necessarily be offered in any given year.

**Mathematics** — Ordinary Differential Equations, Boundary Value Problems, Operator Theory for Quantum Science, Linear Programming, Applied Mathematics for the Physical Sciences, Mathematical Statistics or Applied Statistics or/and Numerical Analysis.

Students take the first four subjects and one of the last four options. Only one of the subjects Mathematical Statistics and Applied Statistics will be available in any one year.

**Chemistry** — Applied Organic Chemistry, Applied Physical Chemistry, Applied Inorganic Chemistry. Unit operations: Reactor Design, Filtrator size reduction.

**Project** — All students will undertake and complete a Project.

**Awards:**

Graduates of this course are eligible for the following awards:  
**Diploma in Applied Sciences** (Dublin Institute of Technology)

**BSc (Applied Sciences)** from the University of Dublin with grades of Pass, Second Class Honours or First Class Honours as appropriate.

**The Institute of Physics** has recognised the qualifications of graduates who have taken the Physics and Mathematics or the Physics and Chemistry options as satisfying the academic requirements for Corporate Membership of the Institute, the former being allocated to Schedule A under the Institute, Schedule of Recognised Qualifications and the latter to Schedule B(1).

**Career**

**Opportunities:**

The main thrust of the course is towards industrial and commercial applications of the various sciences. The graduates of the course are uniquely qualified for employment in a wide range of industries and also for post – graduate research. In the past, graduates have gone on to such post – graduate work here in Ireland and abroad, in France, Germany, Canada and in the United States. Some have gone into private industry while others have gone into the public service, hospitals, electricity supply and telecommunications. Some have embarked on careers in education.

**For Further Information:**

Dr. D.C. Hickey, Department of Physics.  
Telephone: 757541 ext. 336

For Further Information:

Tower House, Eglinton Street, Galway, Ireland, V91 5M  
Department of Applied Sciences, Dublin Institute of Technology  
152, Exe 145757 (no phone)

Closing Date: 1st February

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# DIPLOMA IN HUMAN NUTRITION AND DIETETICS

## BSc (Human Nutrition and Dietetics)

**Former**

**College Code:** WBD

**CAO Code:** FT 23

**Duration:** Four years wholetime

**Description of Course:** This Degree Course is run jointly by the Dublin Institute of Technology (College of Technology, Kevin Street) and the University of Dublin (Trinity College).

The course is designed to provide an integrated training in the science of nutrition and dietetics and its application to human health and well being both at the individual and community level. This includes six months hospital internship and also a period of practical Catering Administration and Management. At present there are insufficient training places available in Ireland and it may be necessary that some students travel to Britain for this component of the course. Students are responsible for their own upkeep during these training periods since they are unpaid.

**Minimum Entry Requirements:**

(a) Irish Leaving Certificate in six subjects with grade C or higher in three subjects on higher level papers, one of which must be Chemistry. Subjects must include Mathematics and English at either level

or

(b) such qualification as the College may deem equivalent.

**Note:** It must be emphasised that the above are the minimum entry requirements for the course. Because of the very large numbers seeking entry a minimum of Grade C or higher on six higher level papers will be required in practice before an applicant would be called for interview.

**Application Procedure:**

Applicants should apply on the standard CAO application form to the:

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

**Closing Date:** 1st February

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**First Year:**

Mathematics, Physics, Chemistry, Biology, Food Science, Communication Studies, Technical French.

**Second Year:**

Biochemistry, Physiology, Nutrition, Dietetics, Medicine, Catering Administration, Microbiology, Statistics and Computation, Communication Studies, Technical French.

**Third Year:**

Biochemistry, Nutrition, Dietetics, Medicine, Clinical Studies, Food Science, Microbiology, Computer Science, Communication Studies and Management Studies.

**Fourth Year:**

Nutrition, Dietetics, Communication Studies and Management Studies.

**Awards:**

Graduates of this course are eligible for the following awards:

**Diploma in Human Nutrition and Dietetics** (Dublin Institute of Technology) and

**BSc (Human Nutrition and Dietetics)** (University of Dublin) with grades of Pass, Second Class Honours and First Class Honours as appropriate.

**Career Opportunities:**

Nutrition as science is a relatively young discipline. The scientific study of nutrition was not possible until the development of the chemical, physical and biological sciences throughout the 19th century. These foundations have been consolidated and new fields investigated. The application of this scientific knowledge for the improvement of health and the prevention of disease requires an understanding of many factors. A career in nutrition or dietetics may appeal to those who are interested in nutrition, have an aptitude for science and for work in medical, social or scientific fields. Graduates from this course are equipped to find employment in many different spheres of nutritional work. In this country, at present, the majority of posts held by graduates are in the Hospital Service in clinical dietetics.

Other areas where posts are slowly becoming available in which graduates have obtained employment include: Public Health or Community Nutrition, Preventative Medicine and Health Education, and in research in the Food and Pharmaceutical Industries.

**For Further Information:**

Ms. Mary Moloney,  
Department of Biological Sciences.  
Telephone: 757541 ext. 314

# DIPLOMA IN OPHTHALMIC OPTICS

**College Code:** K172

**Former College Code:** WSO

**Duration:** Four years wholetime

**Description of Course:** This is a course leading to a Diploma in Ophthalmic Optics and provides 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 Radharcmhastóirí (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.

The period of supervised practice, taken after the successful completion of the third year of the course, is of particular value in developing the practical clinical skills of the students. On return to the College for the completion of this final year, students are assigned an investigative project which helps to relate some of the theoretical aspects of the course to the clinical skills required.

**Entrance Requirements:** (a) Irish Leaving Certificate in six subjects with Grade C or higher in at least two higher level papers; subjects must include Mathematics and English at either level.

**Weighting Factors Applied**

Mathematics and Physics 1.5

English, Chemistry, Physics

with Chemistry, Biology 1.3

**Points awarded for grades, taking account of weighting factors applied.**

Subject	Irish Leaving Certificate								NUI Matric				TCD Matric	
	HA	HB	HC	HD	OA	OB	OC	OD	A	B	C	D	O	P
English	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Mathematics	14	11	9	6	8	5	3	2	11	8	5	3	5	3
Engineering	12	9	8	5	7	4	3	1	-	-	-	-	-	-
Physics	14	11	9	6	8	5	3	2	11	8	5	3	-	-
Chemistry	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Biology	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Physics/Chemistry	12	9	8	5	7	4	3	1	-	-	-	-	-	-
Other Subjects	9	7	6	4	5	3	2	1	7	5	2	2	3	2

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or

(b) Such qualification as the College may deem equivalent. Some qualified applicants may be called for interview.

**Note:** It must be emphasised that the above are the minimum entry requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

**Application Procedure:** Applicants should apply on the standard DIT Application Form to:

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

**Closing Date:** 12th February

**First Year:**

Mathematics, Chemistry, Physics, Biology, Technical German, Management Studies, Workshop Practice.

**Second Year:**

Statistical Methods, Anatomy and Physiology, Biochemistry, Geometrical and Physical Optics, Optical Dispensing, Visual Optics, Technical German, Management Studies.

**Third Year:**

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

**Fourth Year:**

Six months supervised practice followed by a return to College for Abnormal Ocular Conditions, Ophthalmic Practice, Contact Lenses, Environmental Optics, Technical German, Management Studies, Project.

**Awards:**

Graduates of the Course are eligible for the following awards:

**Diploma in Ophthalmic Optics** (Dublin Institute of Technology), with the grades of Pass, Second Class Honours or First Class Honours as appropriate.

Graduates who have passed the examination of the Association of Ophthalmic Opticians, Ireland, may, if elected to Membership, be awarded the:

**Fellowship of the Association of Ophthalmic Opticians, Ireland (FAOI)**

**Career Opportunities:**

The majority of Ophthalmic Opticians are in individual private practice. Some are in partnership with colleagues and a few find employment in the larger practices. Their primary purpose is the examination and assessment of the visual function and advising and prescribing for visual defects. Practitioners may also choose to specialise in the fields of contact lenses, environmental vision or the care of the partially sighted.

**For Further Information:**

Mr. K. P. Culliton,  
Assistant Head,  
Department of Physics.  
Telephone 757541 ext. 235

Subject	Awards			
	P	O	D	C
Physics	2	3	2	2
Chemistry	2	3	2	2
Mathematics	2	3	2	2
Physics and Chemistry	2	3	2	2
Mathematics and Physics	2	3	2	2
Physics and Mathematics	2	3	2	2
Physics and Chemistry and Mathematics	2	3	2	2
Physics and Chemistry and Mathematics and English	2	3	2	2
Physics and Chemistry and Mathematics and English and History	2	3	2	2
Physics and Chemistry and Mathematics and English and History and Art	2	3	2	2
Physics and Chemistry and Mathematics and English and History and Art and Music	2	3	2	2

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# DIPLOMA IN MEDICAL LABORATORY SCIENCES

**College Code:** K111

**Former College Code:** WAML

**Duration:** Two years. Block-release of twelve weeks duration in each year.

**Description of Course:** A course for students of Medical Laboratory Sciences who have obtained the Certificate in Medical Laboratory Sciences and who are employed in approved medical or veterinary laboratories.

**Entry Requirements:** The Certificate in Medical Laboratory Sciences or equivalent.

**Application Procedure:** Applicants should apply directly to:

**The Registration Section,  
College of Technology,  
Kevin Street,  
Dublin 8.**

**Closing Date:** 31st August.

**Course of Study:** Students will study all core subjects and select one specialist option.

**Core Subjects:**  
Chemistry, Biochemistry, Physiology, Physics, Management Studies.

**Specialist Subjects:**  
Microbiology, Histopathology, Haematology and Blood Transfusion,  
Clinical Chemistry.

**Further Study:** The Diploma is a requirement for entry to the Fellowship Course of the Institute of Medical Laboratory Sciences.

**Award:** Students are examined at the end of both years 1 and 2 in all the core subjects and in their chosen specialist subjects.

Graduates of this course are eligible for the following award:



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**Diploma in Medical Laboratory Sciences** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

This Diploma is recognised by the Institute of Medical Laboratory Sciences (London) as satisfying the requirements for the award of: **Associateship of the Institute of Medical Laboratory Sciences (AIMLS)**

**Career Opportunities:**

Associateship of the Institute of Medical Laboratory Sciences qualifies the holder to apply for posts as Technician or Senior Technician in Medical Science Laboratories e.g. Hospitals, Blood Transfusion Service and Veterinary Laboratories.

**For Further Information:**

Mr. J. Vaughan FIMLS,  
Department of Biological Sciences,  
Telephone: 757541 ext. 320

## **DEGREE COURSE IN MEDICAL LABORATORY SCIENCES**

The Irish Department of Education have authorised the College to proceed with the establishment of an honours degree programme in Medical Laboratory Sciences. Interested parties should consult with the College Secretary/Registrar.

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# GRADUATE DIPLOMA OF THE INSTITUTE OF FOOD SCIENCE AND TECHNOLOGY

- College Code:** K113
- Former College Code:** WSFS
- Duration:** One year wholetime.  
It is also possible to prepare for this qualification by three years of part – time study by taking courses S6.1 and S6.2 followed by S6.3.
- Description of Course:** This course is designed to assist candidates prepare for the Graduate Diploma in Food Science and Technology. The standard sought in this examination by the Institute of Food Science and Technology (UK) is equivalent to an Honours Degree.
- Qualifications for Admission:** BSc or equivalent.
- Grants and Scholarships:** The Department of Education has recognised this qualification as leading to an honours degree in Food Science and Technology for the purposes of Grant and Scholarship holders. Suitable students may thus transfer from other courses and other third level Colleges and continue to hold their Grants and Scholarships.
- Application Procedure:** Applications should be made directly to:  
**The Registration Section,  
College of Technology,  
Kevin Street,  
Dublin 8.**
- Closing Date:** 14th September
- Course Aim:** On completion of the course, candidates will have a good knowledge of the following areas: –
- (a) The composition, structure, chemical and biochemical reactions of food.
  - (b) The interaction of micro – organisms with foods.
  - (c) The basic principles of human nutrition and their relevance to food supply.
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TECHNICIAN DIPLOMA IN APPLIED SCIENCE

College Code: K173  
Former College Code: WAS

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

# WHOLETIME TECHNICIAN COURSES IN APPLIED SCIENCE HEALTH SCIENCE FOOD SCIENCE COMPUTING

## IMPORTANT

Applicants should note that for Session 1988/89 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

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## TECHNICIAN DIPLOMA IN APPLIED SCIENCE

**College Code:** K173

**Former**

**College Code:** WAS

**Description of Course:** 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.
- (d) Educational Laboratories.
- (e) High Technology Industries.

After the first year this course offers three options:

**Applied Biology, Applied Chemistry or Applied Physics.** An important element in the final year is the project, which is an applied laboratory based problem in the major field of study.

**Entrance**

**Requirements:**

(a) Pass in English, Pass in Mathematics (or Applied Mathematics), Pass in three other subjects in the Leaving Certificate Examination

or

(b) The Senior Trade Certificate of the Department of Education with one endorsement in Mathematics or a Science subject. Where endorsement subjects are not offered in the trade examinations, a pass in an appropriate subject of the Elementary Technological Certificate Examinations of the Department of Education will be an acceptable equivalent.

or

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

**Award:**

**Career**

**Opportunities:**

**For Further Information:**

Mr. John McEvoy  
**Note:** It must be emphasised that the above are the minimum requirements for the course. Because of the large number seeking entry a higher standard is necessary in practice to gain a place.

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**Application****Procedure:**

Applicants should apply on the standard DIT Application Form to:

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

**Closing Date:** 12th February.

**Course of Study: First Year:**

Physics, Chemistry, Biology, Mathematics, Industrial Studies, Drawing Assignments, Technical French or Technical German or Irish.

**Second Year:**

Industrial Studies, Technical French or Technical German or Irish are common to all options. Subjects taken in Second Year are detailed below in respect of each option available.

**Applied Biology Option:**

Biochemistry, Microbiology, Biotechnology, Cell Biology, Mathematics (including Computer Studies), Quality Control, Photography and Workshop Practice. (This option is limited to 12 students in year 2 and year 3).

**Applied Chemistry Option:**

Physical Chemistry, Inorganic Chemistry, Organic Chemistry and Industrial Chemistry. (This option is limited to 20 students in Year 2 and Year 3).

**Applied Physics Option:**

Physics, Electronics, Circuit Theory, Mathematics, Instrumentation and Control Systems, Materials Science, Medical Physics, Photography, Acoustics and Engineering Practice.

**Third Year:**

As in second year, Industrial Studies is common to each option.

**Applied Biology Option:**

Biochemistry, Microbiology, Biotechnology and Cell Biology. Students will also take Food Science (including instrumentation and control systems) or Biomedical Science (Haematology and Histology).

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**Applied Chemistry Option:**

Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Industrial Chemistry.

**Applied Physics Option:**

Applied Physics, Materials Science, Electronics, Circuit Theory, Instrumentation and Control Theory, Mathematics, Engineering Practice.

**Award:**

Graduates of this course are eligible for the following award: **Technician Diploma in Applied Science (Option Specified)** (Dublin Institute of Technology) – with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:**

Applied aspects of the sciences are the major theme in the three options. Consequently career opportunities are available to graduates in a wide range of production and service industries — hospitals, higher education, electronics, chemicals and pharmaceuticals, computers, food industry and others. Graduates of this course answer the need for greater technical literacy and competence in virtually all kinds of industry, where technological change is the order of the day. Graduates are eligible to apply for entry to the respective courses leading to graduate qualifications and membership of professional Institutes.

**For Further Information:**

Re: entry to First Year, contact:  
Mr. S. E. O'Flatharta,  
Department of Physics.

Re: Applied Biology Option, contact:  
Dr. R. Ryan,  
Department of Biological Sciences.

Re: Applied Chemistry Option, contact:  
Mr. P. Ashall,  
Department of Chemistry.

Re: Applied Physics Option, contact:  
Mr. J. E. Guy,  
Department of Physics. Telephone: 757541

# TECHNICIAN DIPLOMA IN COMPUTER SCIENCE

**College Code:** K166

**Former  
College Code:** WMT

**Duration:** Three years wholetime

**Description  
of Course:** This course is designed to meet the requirements of students seeking training as computer personnel. It provides a theoretical and practical knowledge of computers, computer programming and the computing methods in use in industry, commerce, science and research.

**Entrance  
Requirements:** (a) Irish Leaving Certificate in five subjects with Grade B or higher in Ordinary Level Mathematics; subjects must include Mathematics and English at either level.

### Weighting Factors Applied

Mathematics	1.5
English, Physics, Applied Mathematics, Engineering	1.3

Points awarded for grades, taking account of weighting factors applied.

Subject	Irish Leaving Certificate								NUI Matric				TCD Matric	
	HA	HB	HC	HD	OA	OB	OC	OD	A	B	C	D	O	P
English	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Mathematics	14	11	9	6	8	5	-	-	11	8	5	-	5	-
Applied Maths	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Engineering	12	9	8	5	7	4	3	1	-	-	-	-	-	-
Physics	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Other Subjects	9	7	6	4	5	3	2	1	7	5	2	2	3	2

or

(b) The Senior Trade Certificate of the Department of Education with one endorsement in Mathematics or a Science subject. Where endorsement subjects are 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.

or

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

**Note:** It must be emphasised that the above are the minimum entry requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary, in practice, to gain a place.

**Application Procedure:**

Applicants should apply on the standard DIT Application Form to:

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

**Closing Date:** 12th February

**Course of Study: First Year:**

Computer Programming and Computer Systems, Statistics and Business Mathematics, Mathematics, Physics, Business Studies, Technical German, Keyboard Skills.

**Second Year:**

Computer Programming, Algorithms and Data Structures, Hardware and Operating Systems, Statistics, Mathematics, Numerical Methods, Business Studies, Technical German.

**Third Year:**

Advanced Computer Programming, Microprocessors, Hardware and Data Transmission, Information Systems and Systems Analysis, Operations Research Techniques, Numerical Methods, Business Studies.

**Award:**

Graduates of this course are eligible for the following award:

**Technician Diploma in Computer Science** (Dublin Institute of Technology) — with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:**

The course is designed to train students for the positions of programmer or programmer/analyst in the commercial and technological areas. The course content is sufficiently wide to encourage upward mobility to more senior positions in the computer industry within a few years.

**For Further Information:**

Dr. Brendan O'Shea,  
Assistant Head,  
Department of Mathematics, Statistics and  
Computer Science.  
Telephone: 757541 ext. 221.



# CERTIFICATE IN MEDICAL LABORATORY SCIENCES

**College Code:** K114

**Former  
College Code:** WML

**Duration:** Three years wholetime

**Description  
of Course:** This course provides education in the appropriate Sciences and Technologies for those seeking a career as Technicians in Medical or Veterinary Laboratories. Students of the course may apply for student membership of the Institute of Medical Laboratory Sciences.

The third year of the course is an in – service training year, during which students attend a designated training hospital laboratory for practical experience in Bacteriology, Blood Transfusion Technique, Clinical Chemistry, Haematology and Histopathology. Students are continuously assessed on their performance during the third year and 50% of the total marks in the sessional examination are allocated to the continuous assessment component. Students return to College for a number of weeks before sitting the sessional examination.

**Entrance  
Requirements:** Grade C or higher in two subjects taken at Higher Level (one of which must be Biology or Chemistry or Physics or Chemistry and Physics) in the Leaving Certificate Examination and Pass levels in four other subjects in the Leaving Certificate Examination (Mathematics, with at least a Grade C on the Ordinary Level paper and English must be among the subjects passed in all cases).

### Weighting Factors Applied

Mathematics, Physics, Chemistry 1.5

English 1.3

**Points awarded for grades, taking account of weighting factors applied.**

Subject	Irish Leaving Certificate								NUI Matric				TCD Matric	
	HA	HB	HC	HD	OA	OB	OC	OD	A	B	C	D	O	P
English	12	9	8	5	7	4	3	1	9	7	4	3	–	–
Mathematics	14	11	9	6	8	5	3	–	11	8	5	3	5	–
Applied Maths	12	9	8	5	7	4	3	1	9	7	4	3	–	–
Engineering	12	9	8	5	7	4	3	1	–	–	–	–	–	–
Physics/Chemistry	14	11	9	6	8	5	3	2	11	8	5	3	–	–
Other Subjects	9	7	6	4	5	3	2	1	7	5	2	2	3	2

or

(b) Such qualification as the College may deem equivalent.

**Note:** It must be emphasised that the above are the minimum requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

**Application Procedure:**

Applicants should apply on the standard DIT Application Form to:

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

**Closing Date:** 12th February

**Course of Study: First Year:**

Medical Laboratory Sciences, Biology, Chemistry, Physics, Mathematics, Technical German.

**Second Year:**

Medical Laboratory Sciences, Physiology, Chemistry/Biochemistry, Physics, Statistics and Data Processing, Technical German.

**Third Year:**

Medical Laboratory Sciences.

**Further Study:** The Certificate is a requirement for entry to the Diploma course in Medical Laboratory Sciences.

**Award:** Graduates of this course are eligible for the following award:

**Certificate in Medical Laboratory Sciences** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:**

The Certificate is the required qualification for basic grade technician posts in the Medical Laboratory Services. Other areas of employment include Veterinary and Research Laboratories. Career opportunities also exist for Medical Laboratory Scientists in developed and developing countries.

**For Further Information:**

Mr. Colm P. O'Rourke FIMLS,  
Department of Biological Sciences.  
Telephone: 757541 ext. 320

Subject	1	2	3	4	5	6	7	8	9	10	11	12
Other Subjects	3	3	3	3	3	3	3	3	3	3	3	3
Physical Chemistry	3	3	3	3	3	3	3	3	3	3	3	3
Engineering	3	3	3	3	3	3	3	3	3	3	3	3
Applied Maths	3	3	3	3	3	3	3	3	3	3	3	3
Mathematics	3	3	3	3	3	3	3	3	3	3	3	3
English	3	3	3	3	3	3	3	3	3	3	3	3

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# DIPLOMA IN BAKERY PRODUCTION AND MANAGEMENT

**College Code:** K100

**Former College Code:** WBT

**Description of Course:** This course is designed to meet the needs of students who wish to attain supervisory status or a position of responsibility in a bakery business where an understanding of the scientific principles involved, coupled with wide knowledge of the bakery industry is essential.

The course offers an opportunity to both large and small bakery owners to have students trained in this country in all aspects of Bakery Production and Organisation.

The course covers the technology of baking together with practice in all aspects of modern Bakery Production. The sources, handling, storage and control of all raw materials coupled with an extensive programme of raw materials testing are studied as well as Hygiene and Microbiology, Bakery Equipment, Machine and Modern Plant and Production Systems. The financial side of operating a bakery business, including the study of Financial Control, Marketing, Stock and Quality Controls, Business Administration, Production Planning and Human Relations are all covered in the course. A modern continental language is also studied. Final year students are encouraged to sit for the City and Guilds of London Institute Examination in Production (Certificate No. 126) in addition to the Dublin Institute of Technology Diploma Examinations.

**Entrance Requirements:** (a) Irish Leaving Certificate in five subjects including Mathematics and English at either level and a minimum of six months practical experience in a bakery.

or

(b) City and Guilds Advanced Craft Certificate (No. 120 Part 2)

or

(c) Such qualifications as the College may deem equivalent.

Students holding craft certificates will be exempted from the practical bakery instruction portion of the course, and will be eligible to apply for a reduction of the course fee.

**Application Procedure:**

Applicants should apply on the standard DIT Application Form to:

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

**Closing Date:**

12th February.

**Course of Study: First Year:**

Applied Science, Bakery Technology, Industrial Studies, Bread Production (Methods and Techniques), Flour Confectionery (Methods and Techniques), German.

**Second Year:**

Applied Science, Bakery Technology, Industrial Studies, Bread Production (Methods and Techniques), Flour Confectionery (Production Methods and Techniques), German.

**Third Year:**

Applied Science, Bakery Technology, Microbiology and Hygiene, Marketing, Business Administration and Financial Control, Computing, Bread Production (Methods and Techniques), Flour Confectionery (Production Methods and Techniques), Raw Materials Testing, Production Planning and Human Relations, German.

**Awards:**

Graduates of this course are eligible for the following award:

**Diploma in Bakery Production and Management** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:**

Graduates of the course are to be found in all of the bakery and allied industries and include General Managers, Production Managers, Technical Representatives, Test Bakers, Bakery Technologists, Product Development Technicians and Bakery Supervisors.

**For Further Information:**

Mr. D.T. Carey,  
Bakery Section.  
Telephone 757541 ext. 360

# WHOLETIME DEGREE/PROFESSIONAL COURSES IN ENGINEERING

## IMPORTANT

Applicants should note that for Session 1988/89 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

Application  
Procedure:

## HONOURS DIPLOMA IN ELECTRICAL/ELECTRONIC ENGINEERING

Former  
College Code: SEE

CAO Code: FT21

Duration: Four years wholetime

Description  
of Course:

This course is designed for the education of electrical/electronic engineers to an honours degree level. There is a moderate degree of specialisation in one of the following fields:

Electrical Power  
Control Systems  
Electronics, Communication and Computers

The content of the course includes lectures, tutorials and, where appropriate, practical and laboratory work. 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.

Minimum Entry  
Requirements:

(a) Passes in six subjects in the Irish Leaving Certificate including English, with Grade C or higher on higher level papers in both Mathematics and Physics.

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

The following scores are awarded to grades A to C on the Higher Leaving Certificate papers in Physics, Chemistry, Physics with Chemistry, Applied Mathematics and Engineering: A – 11, B – 9, C – 7.

These scores are awarded for Higher Leaving Certificate papers only.

For Further  
Information:

Mr. D.T. Caray,  
Bakery Section,  
Telephone 757541

or

(b) Pass in three subjects at A – Level in the General Certificate of Education.

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The following scores are awarded to grades A to C on the General Certificate in Education A – Level papers:

A – Level Mathematics, A – 20, B – 17, C – 14

A – Level Physics, Chemistry, Applied Mathematics, A – 17, B – 14, C – 11

or

(c) Such qualification as the College may deem equivalent.

**Note:** It must be emphasised that the above are the minimum requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

**Application  
Procedure:**

Applicants should apply on the standard CAO application form to:

**The Central Applications Office,  
Tower House, Elginton Street, Galway.**

**Closing Date:** 1st February

**Course of Study: First Year:**

Mathematics, Applied Mechanics, Physics, Properties of Materials, Electricity, Electronic Systems, Engineering Practice, Business and Management Studies, Language (French/German).

**Second Year:**

Mathematics, Physics, Field and Circuit Theory, Signal and System Theory, Electronics, Computer Systems, Electrical Machines, Measurements and Instrumentation, Business and Management Studies, Language (French/German).

**Third Year:**

**Subjects common to all Options:**

Mathematics, Business and Management Studies, Language (French/German)

**Electrical Power Option:**

Circuit Theory, Field Theory, Applied Thermodynamics, Electrical Power, Control Systems and Instrumentation, Electronics.

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**Control Systems and Instrumentation Option:**

Circuit Theory, Field Theory, Electronics, Signal and System Theory, Control Systems I, Control Systems II.

**Electronics, Communications and Computer Option:**

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

**Fourth Year:**

**Subjects common to all Options:**

Mathematics, Business and Management Studies.

**Electrical Power Option:**

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

**Control Systems and Instrumentation Option:**

Circuit Theory, Electronics, Control Systems I, Control Systems II, Project.

**Electronics, Communications and Computer Option:**

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

**Awards:**

Graduates of this course are eligible for the following awards:

**Diploma in Electrical/Electronic Engineering** (Dublin Institute of Technology) and

**BSc(Eng)** from the University of Dublin with grades of Pass, Second Class Honours or First Class Honours as appropriate.

They are also eligible for:

**Membership of the Institution of Engineers of Ireland.**

**Career**

Graduates of the course are employed in all areas of electrical/

**Opportunities:**

electronic technology, including computer engineering, electronics, telecommunications, automatic control and electrical power.

**For Further Information:**

Dr. J.C. Fisher,  
Head, Department of Electrical Engineering.  
Telephone: 757541 ext. 243.

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# WHOLETIME TECHNICIAN COURSES IN ENGINEERING

Note: This course is presently under review. It is intended that the revised course will be introduced in September 1989.

Entrance Requirements: (a) Last Leaving Certificate in five subjects with Grade B or higher in ordinary level Mathematics. Subjects must also include English at an ordinary level.

Weighting Factors Applied: Mathematics, English, Physics, Applied Mathematics, Power, Economic, Technical, Computer, Mechanical, Principles of Electronic Technology, Applied Mathematics.

Mathematics, English, Physics, Applied Mathematics, Power, Economic, Technical, Computer, Mechanical, Principles of Electronic Technology, Applied Mathematics.

Points awarded for grades, taking account of weighting factors applied.

Subject	Last Leaving Certificate												TCD Maths
	HA	HB	HC	HD	OA	OB	OC	OD	OA	OB	OC	OD	
English	12	9	8	5	7	4	3	1	9	7	4	3	-
Mathematics	14	11	-	-	-	-	-	-	11	8	5	2	-
Applied Maths	12	8	-	-	-	-	-	-	4	3	-	-	-

## IMPORTANT

Applicants should note that for Session 1988/89 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

# TECHNICIAN ENGINEERING DIPLOMA— ELECTRICAL ENGINEERING

**College Code:** K131

**Former  
College Code:** WEET

**Duration:** Three years wholetime

**Description  
of Course:** In the final two years of the course students may specialise in Electrical Power, or Control and Instrumentation which includes microprocessor applications. The course has been approved by the Institute of Engineers of Ireland and holders of the Diploma are eligible for election to the grade of Affiliate. They are also granted exemption from Part 1 of the Engineering Council Examination. Students who obtain a grade of Distinction in the Diploma examination are eligible to apply for entry into the third year of the Honours Diploma Course in Electrical/Electronic Engineering Ref: FT21 (SEE).

**Note:** This course is presently under review, it is intended that the revised course will be introduced in September 1989.

**Entrance  
Requirements:** (a) Irish Leaving Certificate in five subjects with Grade B or higher in ordinary level Mathematics. Subjects must also include English at either level.

### Weighting Factors Applied

Mathematics	1.5
English, Physics, Applied Mathematics, Engineering	1.3

**Points awarded for grades, taking account of weighting factors applied.**

Subject	Irish Leaving Certificate								NUI Matric				TCD Matric	
	HA	HB	HC	HD	OA	OB	OC	OD	A	B	C	D	O	P
English	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Mathematics	14	11	9	6	8	5	-	-	11	8	5	-	5	-
Applied Maths	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Engineering	12	9	8	5	7	4	3	1	-	-	-	-	-	-
Physics	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Other Subjects	9	7	6	4	5	3	2	1	9	5	2	2	3	2

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(b) The Senior Trade Certificate of the Department of Education with one endorsement in mathematics or a Science subject. Where endorsement subjects are not offered in the trade examinations, a pass in an appropriate subject of the Elementary Technological Certificate Examinations of the Department of Education will be an acceptable equivalent.

or

(c) Such qualification as the College may deem equivalent.

**Note:** It must be emphasised that the above are the minimum entry requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

**Application  
Procedure:**

Applicants should apply on the standard DIT Application Form to:

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

**Closing Date:** 12th February

**Course of Study: First Year:**

Mathematics, Applied Mechanics, Physics, Engineering Drawing, Mechanical Workshops, Principles of Electricity, Electronics, Electrical Power, Economics, Technical French or Technical German.

**Second Year: Electrical Power Option:**

Mathematics, Materials, Hydraulics, Thermodynamics, Field and Circuit Theory, Electronics, Electrical Measurement and Instrumentation, Electrical Power, Economics, Technical French or Technical German.

**Second Year: Control and Instrumentation Option:**

Mathematics, Materials, Hydraulics, Thermodynamics, Field and Circuit Theory, Electronics, Electrical Measurements, Control & Instrumentation, Economics, Technical French or Technical German.

**Third Year: Electrical Power Option:**

Mathematics, Circuit Theory, Electronics, Control Systems, Electrical Power, Economics, Technical French or Technical German, Project.

**Third Year: Control and Instrumentation Option:**

Mathematics, Circuit Theory, Electronics, Control Systems, Microprocessors in Instrumentation and Control, Economics, Technical French or Technical German. Project.

**Award:** Graduates of this course are eligible for the following award:

**Technician Engineering Diploma – Electrical Engineering** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:** As this is a broadly based course graduates take employment in a wide range of activities such as Electrical Supply, Instrumentation and Control, Computing and Consulting.

**For Further Information:** Mr. J.J. Farrell,  
Assistant Head,  
Department of Electrical Engineering,  
Telephone: 757541 ext. 261

Course of Study	Second Year Control and Instrumentation Option:			TCD	
	C	D	O	P	M
Mathematics, Materials, Hydraulics, Thermodynamics, Field and Circuit Theory, Electronics, Electrical Measurement, Control & Instrumentation, Economics, Technical French or Technical German.	4	3	—	—	—
Mathematics, Circuit Theory, Electronics, Control Systems, Electrical Power, Economics, Technical French or Technical German, Project.	5	—	—	—	—
Mathematics, Applied Mechanics, Physics, Engineering Drawing, Mechanical Workshops, Principles of Electricity, Electronics, Electrical Power, Economics, Technical French or Technical German.	4	3	—	—	—
Mathematics, Materials, Hydraulics, Thermodynamics, Field and Circuit Theory, Electronics, Electrical Measurement and Instrumentation, Economics, Technical French or Technical German.	4	3	—	—	—

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## DIPLOMA COURSES IN ELECTRONIC, COMMUNICATIONS AND COMPUTER ENGINEERING

The College provides two three-year diploma courses in Electronic and Communications Engineering and Computer Engineering, one leading to the D.I.T. Technician Engineering Diploma in Telecommunications and Electronics, K186 (WRTT) the other to the D.I.T. Technician Diploma in Electronic Engineering, K188 (WRS).

From September 1987 a common first year, Course Code K187 (WRS/WRRT), has been provided for both of these courses. On successful completion of this first year students proceed over the following two years to study for either the D.I.T. Technician Engineering Diploma to Telecommunications and Electronics, Course Code K186 (WRTT) see page 52, or for the D.I.T. Technician Diploma in Electronic Engineering, Course Code K188 (WRS) see page 54.

The particular course of study open to students in these two subsequent years will be determined by the College having regard to performance in the first year Summer examinations and, if necessary, in an interview.

### TECHNICIAN ENGINEERING DIPLOMA IN TELECOMMUNICATIONS AND ELECTRONICS— TECHNICIAN DIPLOMA IN ELECTRONIC ENGINEERING

#### Common First Year Course:

**College Code:** K187

**Former**

**College Code:** WRS/WRRT

**Description of Course:** This common first year is designed to provide a foundation from which students may progress either via Course K186 (WRTT) to the Technician Engineering Diploma in Telecommunications and Electronics, or via Course K188 (WRS) to the Technician Diploma in Electronic Engineering.

**Entrance Requirements:** (a) Irish Leaving Certificate in five subjects with grade B or higher in ordinary level Mathematics. Subjects must also include English at either level.

### Weighting Factors Applied

Mathematics	1.5
English, Physics, Applied Mathematics and Engineering	1.3

### Points awarded for grades, taking account of weighting factors applied

Subject	Irish Leaving Certificate								NUI Matric				TCD Matric	
	HA	HB	HC	HD	OA	OB	OC	OD	A	B	C	D	O	P
English	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Mathematics	14	11	9	6	8	5	-	-	11	8	5	-	5	-
Applied Maths	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Engineering	12	9	8	5	7	4	3	1	-	-	-	-	-	-
Physics	12	9	8	5	7	4	3	1	9	7	4	3	-	-
Other Subjects	9	7	6	4	5	3	2	1	7	5	2	2	3	2

or

(b) The Senior Trade Certificate of the Department of Education with one endorsement in Mathematics or a Science subject. Where endorsement subjects are not offered in the trade examinations, a pass in an appropriate subject of the Elementary Technological Certificate Examinations of the Department of Education will be an acceptable equivalent.

or

(c) Such qualifications as the College may deem equivalent.

**Note:** It must be emphasised that the above are minimum entry requirements for the course. Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

#### Application Procedure:

Applicants should apply on the standard D.I.T. Application Form to:

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

**Closing Date:** 12th February, 1988.

**Course of Study:** Mathematics, Mechanics, Engineering Science, Electricity, Electronics, Computer Programming, Engineering Drawing, Electronic Components and Materials, Electronic Workshop Practice, Industrial Studies, Technical French or Technical German.

**For Further Information:** Mr. B.J. O'Connor,  
Head,  
Department of Electronic and Communications Engineering.  
Telephone 757541 ext. 225

or  
**Opportunity:** Mr. C.V. Cowley,  
Assistant Head,  
Department of Electronic and Communications Engineering,  
Telephone 757541 ext. 240

**For Further Information:**

# TECHNICIAN ENGINEERING DIPLOMA IN TELECOMMUNICATIONS AND ELECTRONICS

**College Code:** K186

**Former  
College Code:** WRTT

**Duration:** This course is of three years duration, including the first year which is also common to Course K188 (WRS). Details of the first year of this Course, K187 (WRS/WRTT) are set out on page 49.

**Entrance  
Requirements:** Please see page 49.

**Application  
Procedure:** Please see page 50.

**Description  
of Course:** 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). Students, who obtain a grade of Distinction in the Diploma Examinations are eligible to apply for entry into the third year of the Honours Diploma Course in Electrical/Electronic Engineering Ref: FT21 (SEE).

**Course of Study: Second Year:**

Mathematics, Physics, Electricity, Circuit Theory, Analogue and Digital Electronics, Electronic Measurements, Communications Engineering, Industrial Studies, Electronic Draughting, Technical French or Technical German.

**Third Year:**

Mathematics, Physics, Circuit Theory, Analogue and Digital Electronics, Computer and Microprocessor Systems, Communication Engineering, Industrial Studies, Technical French or Technical German. Integrated Circuit Fabrication is offered as an optional subject.



**Awards:**

Graduates of this course are eligible for the following award:

**Technician Engineering Diploma-Telecommunications and Electronics**  
(Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

**For Further Information:**

A supplementary Certificate in Integrated Circuit Fabrication is awarded to graduates who are successful in a special examination in this optional subject.

**Career Opportunities:**

Graduates have career opportunities over the full extent of the electronics, telecommunications and computer industry in a very wide range of positions.

**For Further Information:**

Mr. B.J. O'Connor,  
Head,  
Department of Electronic and Communications Engineering.  
Telephone 757541 ext. 225

or

Mr. C.V. Cowley,  
Assistant Head,  
Department of Electronic and Communications Engineering.  
Telephone: 757541 ext. 240

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# TECHNICIAN DIPLOMA IN ELECTRONIC ENGINEERING

**College Code:** K188

**Former  
College Code:** WRS

**Duration:** This course is of three years duration, including the first year which is also common to Course K186 (WRTT). Details of the first year of this Course K187 (WRS/WRRT) are set out on page 49.

**Entrance  
Requirements:** Please see page 49.

**Application  
Procedure:** Please see page 50.

**Description  
of Course:** 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, and sales of electronic, communications and computer equipment.

The subjects covered on the course include Mathematics, 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 of Study: Second Year:**

Mathematics, Physics, Electricity, Circuit Theory, Analogue and Digital Electronics, Electronic Measurements, Communications Engineering, Industrial Studies, Electronic Draughting, Technical French or Technical German.

**Third Year:**

Mathematics, Electronic Circuits, Analogue and Digital Electronics, Microprocessor Systems, Communications Engineering, Industrial Studies, Technical French or Technical German.

**Awards:** Graduates of this course are eligible for the following award:

**Technician Diploma in Electronic Engineering** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

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**Career Opportunities:**

Because of the breadth of coverage provided, career opportunities for the technician graduate are correspondingly wide, covering the whole electronics production industry, radio and television broadcasting, computer manufacture and maintenance, medical electronic equipment, communications and navigation systems.

**For Further Information:**

Mr. B.J. O'Connor,  
Head,  
Department of Electronic and Communications Engineering.  
Telephone 757541 ext. 225

or  
Mr. C.V. Cowley,  
Assistant Head,  
Department of Electronic and Communications Engineering.  
Telephone 757541 ext. 240

**For Further Information:**

Mr. C.V. Cowley,  
Assistant Head

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

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## TECHNICIAN CERTIFICATE IN ELECTRONICS

**College Code:** K189

**Former**

**College Code:** WRCE

**Duration:** Two years wholetime

**Description** 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.

**Entrance Requirements:** (a) Irish Leaving Certificate in five subjects which must include Mathematics and English.

or

(b) The Senior Trade Certificate of the Department of Education with one endorsement in Mathematics or a Science Subject. Where endorsement subjects are not offered in the trade examinations, a pass in an appropriate subject of the Elementary Technological Certificate Examinations of the Department of Education will be an acceptable equivalent.

or

(c) Such qualifications as the College may deem equivalent.

**Note:** It must be emphasised that the above are the minimum entry requirements for the course. Because of the large numbers seeking entry a higher standard is necessary in practice to gain a place.

**Application Procedure:** Applicants should apply on the standard D.I.T. Application Form to:

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

**Closing Date:** 12th February

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**Course of Study: First Year:**

Mathematics, Engineering Science, Electricity, Electronics Workshop, Analogue and Digital Electronics, Electrical Draughting, Communication Systems, Computer Programming.

**Second Year:**

Mathematics, Electricity, Circuit Theory, Digital and Analogue Electronics, Communication Principles, Computer Systems, Computer Programming.

**Award:**

Graduates of this course are eligible for the following award:

**Technician Certificate in Electronics** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:**

Graduates of the course are qualified to take up employment across the spectrum of the electronics, communications and computer industry in the production, service and applications sectors.

**For Further Information:**

Mr. C. V. Cowley,  
Assistant Head,  
Department of Electronic and Communication Engineering.  
Telephone 757541 ext. 240

**IMPORTANT**

Applicants should note that for Session 1900/89 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

# TECHNICIAN CERTIFICATE IN ELECTRONICS

Mathematics, Engineering Science, Electricity, Electronics Workshop  
Analogue and Digital Electronics, Electrical Drawing, Communication  
Systems, Computer Programming

Former: WRCE  
College Code: WRCE

Mathematics, Electricity, Circuit Theory, Digital and Analogue  
Electronics, Communication Principles, Computer Systems, Computer  
Programming

Graduates of this course are eligible for the following award:  
Diploma in Electronics Technology

Graduates of the course are qualified to take up employment across  
the electronics industry in the production, service and repair sectors.  
Opportunities exist in the production, service and repair sectors of  
the electronics industry in the production, service and repair sectors.

For Further Information: Mr. C. V. Cowley, Assistant Head, Department of Electronic and Communication Engineering

Such qualifications as the College may deem equivalent to those  
required for entry into this course will be accepted for entry  
into this course. The minimum entry requirements for this course  
are as follows: A minimum of 5 GCSEs at grade C or above, including  
English and Mathematics.

Application Procedure: Applications should be sent to the Admissions Office, Dublin Institute of Technology, 14 Upper Mount Street, Dublin 2.

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

Closing Date: 15th February

# WHOLETIME COURSES IN LANGUAGES

## IMPORTANT

Applicants should note that for Session 1988/89 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

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## CERTIFICATE IN EUROPEAN LANGUAGES FOR BUSINESS

**College Code:** K155

**Former  
College Code:** WLBS

**Duration:** Two years wholetime

**Description  
of Course:** The theoretical and practical content of this course is designed to provide a sound training in modern languages and in business studies for students preparing for an administrative career in export – oriented business.

**Entrance  
Requirements:** Irish Leaving Certificate in five subjects, including English and Mathematics with Grade C or higher on the higher level papers in either French or German.  
or

such qualification as the College may deem equivalent.

**Note:** Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

**Application  
Procedure:** Applicants should apply on the standard D.I.T. Application Form to:

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

**Closing Date:** 12th February

**Course of Study: First Year:**

German or French with either French or German or Spanish, Business Studies, European Studies, Keyboard Appreciation.

**Second Year:**

German or French with either French or German or Spanish, Business Studies, European Studies, Computer Applications.



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**Award:**

Graduates of this course are eligible for the following award:

**Certificate in European Languages for Business** (Dublin Institute of Technology) with grades of Pass, Credit or Distinction as appropriate.

**Career Opportunities:**

The course is designed to train students to work as personal assistants, executive assistants, commercial translators in many different areas requiring a thorough language competence and a good knowledge of business practice.

**For Further Information:**

Department of Languages and Industrial Studies Telephone 757541

WHOLETIME  
COURSES FOR DRAUGHTSMEN

IMPORTANT

Applicants should note that for Session 1990/91 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

Awards: Certificate in European Languages for Business

### CERTIFICATE IN EUROPEAN LANGUAGES FOR BUSINESS

Certificate in European Languages for Business (Dublin Institute of Technology) with Grades of Pass, Credit or Distinction as appropriate.  
College Code: 5517

**Opportunities:** Career  
The course is designed to train students to work as personal assistants, executive assistants, commercial translators in many different settings requiring a thorough language competence and a good knowledge of business practice.

**Description:** This course is designed to provide students with practical and theoretical knowledge of languages and modern business. It is intended for students preparing for an administrative career in export-oriented business.

**Entrance Requirements:** Irish Leaving Certificate in five subjects, including English and Mathematics with Grade C or higher on the higher level papers in either French or German.

such qualification as the College may deem equivalent.

**Note:** Because of the large numbers seeking entry a much higher standard is necessary in practice to gain a place.

**Application Procedure:** Applicants should apply on the standard D.I.T. Application Form to:  
The Admissions Office,  
Dublin Institute of Technology,  
14 Upper Mount Street, Dublin 2.

**Closing Date:** 12th February

**Course of Study: First Year:**  
German or French with either French or German or Spanish, Business Studies, European Studies, Keyboard Applications.

**Second Year:**  
German or French with either French or German or Spanish, Business Studies, European Studies, Computer Applications.

**CERTIFICATE COURSE IN ELECTRICAL AND ELECTRONIC DRAUGHTING**

For Further Information:

Mr. J. J. Donnell  
 Lecturer in Charge  
 222 - 1st Ave. N.W.  
 Minneapolis, MN 55401

College Code: K144  
 Former College Code: E5ED

Duration: One year wholtime

Description of Course: This is a one year wholtime course designed to prepare students for careers in the drawing offices of consulting engineers, electrical contractors, and electronic/electronic equipment designers, manufacturers and assemblers.

**WHOLETIME**

**COURSES FOR DRAUGHTSMEN**

Entrance Requirements: Passes in five subjects in the final Leaving Certificate including Aptitude Tests and an interview.

Application Procedure: This Course is organized under the Special Training Programme of the European Social Fund. Applications for places on the course will be invited on 7th August 1988 by advertisements placed in the national newspapers.

Closing Date: 29th August 1988

Course of Study: Electrical Science (including Electronic), Electrical Installation Theory, Electrical Draughting (including Computer Aided Draughting) Engineering Drawing, Laboratory/Workshop, and Project work.

Special Features: This is a broadly-based course on electronic/electronic draughting and on current drawing-office practice.

Awards: Internal examinations are set by the College. A Certificate with pass, Credit or Distinction, as appropriate, is awarded by the College to successful students.

Career Opportunities: As a result of the broad coverage on the course, successful students have taken up positions within consultancies, architectural practices and many other areas involved in the design

**IMPORTANT**

Applicants should note that for Session 1988/89 and onwards, new course codes are being introduced. On the following pages, former codes are given for reference only, and should not be used.

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## CERTIFICATE COURSE IN ELECTRICAL AND ELECTRONIC DRAUGHTING

**College Code:** K144

**Former  
College Code:** ESED

**Duration:** One year wholetime

**Description  
of Course:** This is a one year wholetime course designed to prepare students for careers in the drawing offices of consulting engineers, electrical contractors, and electrical/electronic equipment designers, manufacturers and assemblers.

**Entrance  
Requirements:** Passes in five subjects in the Irish Leaving Certificate including English and Mathematics, or such qualifications as the College may deem equivalent. In addition, applicants are assessed on their performances in Aptitude Tests and an Interview.

**Application  
Procedure:** This Course is organised under the Special Training Programme of the European Social Fund. Applications for places on the course will be invited on 7th August 1988 by advertisements placed in the national newspapers.

**Closing Date:** 29th August 1988

**Course of Study:** Electrical Science (including Electronics), Electrical Installation Theory, Electrical Draughting (including Computer Aided Draughting) Engineering Drawing, Laboratory/Workshop, and Project work.

**Special Features:** This is a broadly – based course on electrical/electronic draughting and on current drawing – office practice.

**Award:** Internal examinations are set by the College. A Certificate with pass, Credit or Distinction, as appropriate, is awarded by the College to successful students.

**Career  
Opportunities:** As a result of the broad coverage on the course, successful students have taken up positions in drawing offices within consultancies, architectural practices and many firms involved in the design, manufacture, supply and installation of electrical and electronic systems.

NOTES

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**Department  
in Charge:**

Electrical Installation

**For Further  
Information:**

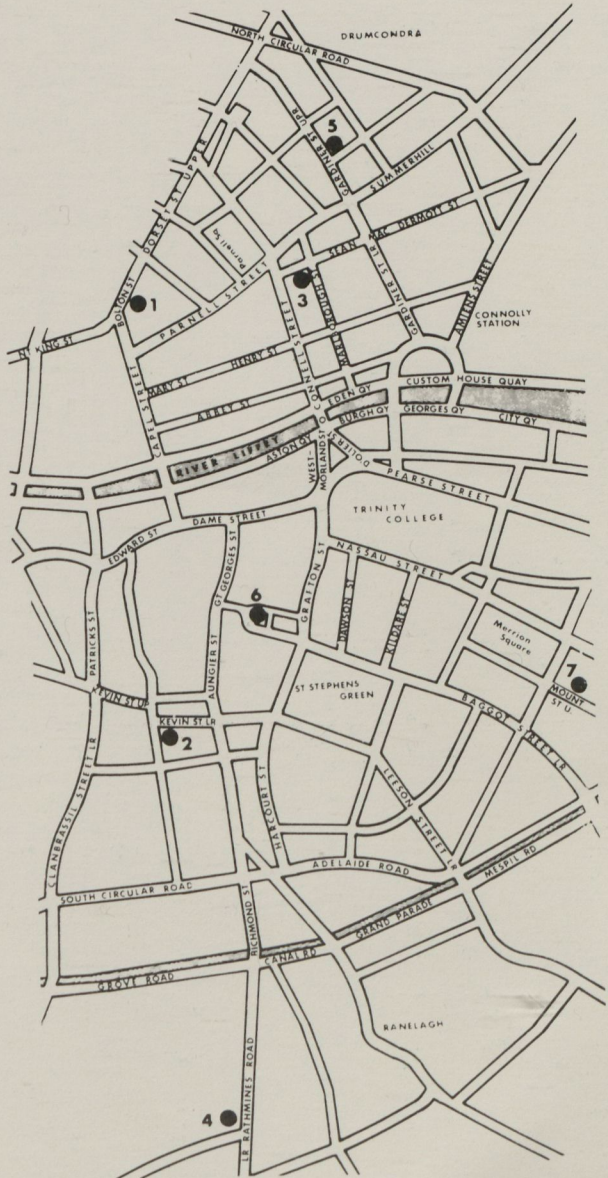
Mr. J. O'Donnell  
Assistant Head,  
Department of Electrical Installation.  
Telephone 757541 ext. 222

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# NOTES

CITY OF DUBLIN VOCATIONAL EDUCATION COMMITTEE  
 DUBLIN INSTITUTE OF TECHNOLOGY  
 THIRD LEVEL INSTITUTIONS

1. College of Technology,  
Bolton Street,  
Dublin 1.  
Telephone 727177
  
2. College of Technology,  
Kevin Street,  
Dublin 8.  
Telephone 757541
  
3. Dublin College of Catering,  
Cathal Brugha Street,  
Dublin 1.  
Telephone 747886
  
4. College of Commerce,  
Rathmines Road,  
Dublin 6.  
Telephone 970666
  
5. College of Marketing,  
and Design,  
40 - 45 Mountjoy Square,  
Dublin 1.  
Telephone 363000
  
6. College of Music,  
Chatham Row,  
Dublin 2.  
Telephone 778903
  
7. Dublin Institute of Technology,  
14 Upper Mount Street,  
Dublin 2.  
Telephone 766584



# 1988 CALENDAR

	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>
Su	3 10 17 24 31	7 14 21 28	6 13 20 27
M	4 11 18 25	① 8 15 22 29	7 14 21 28
Tu	5 12 19 26	2 9 16 23	1 8 15 22 29
W	6 13 20 27	3 10 17 24	2 9 16 23 30
Th	7 14 21 28	4 11 18 25	3 10 17 24 31
F	1 8 15 22 29	5 12 19 26	4 11 18 25
Sa	2 9 16 23 30	6 13 20 27	5 12 19 26
	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>
Su	3 10 17 24	1 8 15 22 29	5 12 19 26
M	4 11 18 25	2 9 16 23 30	6 13 20 27
Tu	5 12 19 26	3 10 17 24 31	7 14 21 28
W	6 13 20 27	4 11 18 25	① 8 15 22 29
Th	7 14 21 28	5 12 19 26	2 9 16 23 30
F	1 8 15 22 29	6 13 20 27	3 10 17 24
Sa	2 9 16 23 30	7 14 21 28	4 11 18 25
	<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>
Su	3 10 17 24 31	7 14 21 28	4 11 18 25
M	4 11 18 25	① 8 15 22 29	5 12 19 26
Tu	5 12 19 26	2 9 16 23 30	6 13 20 27
W	6 13 20 27	3 10 17 24 31	7 14 21 28
Th	7 14 21 28	4 11 18 25	1 8 15 22 29
F	1 8 15 22 29	5 12 19 26	2 9 16 23 30
Sa	2 9 16 23 30	6 13 20 27	3 10 17 24
	<b>OCTOBER</b>	<b>NOVEMBER</b>	<b>DECEMBER</b>
Su	2 9 16 23 30	6 13 20 27	4 11 18 25
M	3 10 17 24 31	7 14 21 28	5 12 19 26
Tu	4 11 18 25	1 8 15 22 29	6 13 20 27
W	5 12 19 26	2 9 16 23 30	7 14 21 28
Th	6 13 20 27	3 10 17 24	1 8 15 22 29
F	7 14 21 28	4 11 18 25	2 9 16 23 30
Sa	1 8 15 22 29	5 12 19 26	3 10 17 24 31

○ C.A.O. Closing Date

□ D.I.T. Closing Date

⊙ C.A.O. Late Closing Date

⊞ D.I.T. Late Closing Date



## **EVENING COURSE FOR UPDATING IN ELECTRICAL INSTALLATION TECHNOLOGY**

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- College Code:** T4.1/2
- Description:** This course is designed to update electrical craftsmen in Electrical Installation Technology
- Course Duration:** Two years; two evenings per week
- Entrance Requirements:** Prospective students must be electrical craftsmen employed in the electrical industry.
- Course of Study:** **Year 1:**  
Electrical Science, Electrical Craft Theory, Laboratory Work.  
**Year 2:**  
Electrical Science, Electrical Craft Theory, Laboratory Work.  
In both years emphasis is placed on dealing with recent developments within the field of Electrical Installation Technology – particularly in relation to light-current developments. Programmable Logic Controllers (PLCs) will also be dealt with since these are being encountered to an increasing degree by maintenance electricians. Consideration will be given to the use of PLCs in the following applications: machine control, pump sequencing, group starting arrangements, monitoring and alarm systems, lighting control and energy management.
- Examinations:** **Year 1:** House Examinations  
**Year 2:** House Examinations
- Application Procedure:** Applicants should apply on the standard College Part-Time Enrolment Form to:  
**The Department of Electrical Installation,  
Church Lane. (Annexe to the College)**
- For Further Information:** Mr. J.T. O'Donnell,  
Assistant Head,  
Department of Electrical Installation.  
Telephone: 757541

## COURSES IN PHYSICAL EDUCATION

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

Art	Karate
Badminton	Life Saving
Basketball	Related Crafts Appreciation
Canoeing	Rugby
Chess	Sailing
Circuit Training	Sketching
Dance	Soccer
Darts	Sub Aqua
First Aid	Swimming
Gaelic Games	Table Tennis
Hang Gliding	Volleyball
Hockey (Mixed)	Water Colour Painting
Jogging	Wind Surfing
Judo	

The philosophy behind the programme is that students should be educated for living. Skills can be provided whereby leisure time can be spent in a healthy environment. This provides a social interaction between students from various courses, and helps to develop an awareness of one's position in the overall structure of the College. It assists in the integration of students from different departments.

The programme operates as follows:-

- (i) Students whose time-tables permit it, book the Gymnasium at a set time on a regular basis for a planned programme of activities.
- (ii) Each Day at lunch-time, classes are organised in the Swimming Pool and Gymnasium.
- (iii) Each evening from 16.00 hrs. to 22.00 hrs. in the Swimming Pool and from 17.00 hrs. to 22.00 hrs in the Gymnasium, time is allocated for class and club activities.
- (iv) As the demand increases, and the College facilities become inadequate, facilities are booked at outside venues.
- (v) On the weekend, the outdoor activities are catered for at various centres, such as the VEC Sports Grounds in Terenure, Seapoint and Dalkey Quarry.

College teams are organised in most sports and they participate in the appropriate competitions for the Third Level Colleges.

## **EXTERNAL EXAMINERS**

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### **SCRÚDAITHEÓIRÍ SEACHTARACHA**

The appointment of External Examiners will be subject to approval by the Academic Council. The External Examiners will be chosen for their knowledge and experience appropriate to the courses. The normal term of office of the External Examiner will be three years.

Terms of reference may include:

- (a) to moderate examination papers and approve marking schemes for the subjects for which they are appointed;
- (b) to assess examination scripts in the subjects for which they are responsible;
- (c) to assess the final year projects in the subjects/disciplines for which they are responsible;
- (d) to conduct oral examinations of candidates as required;
- (e) as members of the Board of Examiners, to consider examination results and assessments pertaining to the courses;
- (f) to advise the academic staff on the assessment of practical work;
- (g) to inspect, if they so wish, student course and laboratory work and marks awarded for such work;
- (h) to present such reports on the courses and examinations as they may deem necessary or as the Academic Council may require and to present a terminal report.

Academic Council 23/1/1980

## EXTERNAL EXAMINERS FOR 1987 EXAMINATIONS

### SCRÚDAITHEÓIRÍ SEACHTARACHA DO SCRÚDAITHE 1987

**Diploma in Applied  
Sciences.**

**BSc (Applied Sciences)**

Year II and Year IV

(Ref: WSAD II and WSAD IV)

Kenneth Jones, PhD CChem FRSC

Department of Chemistry,

University of Manchester

Institute of Science and Technology, England.

David Melody, BSc PhD FICI, Dublin

Professor John F. Toland, BSc MSc DPhil

University of Bath, England.

Professor L.W. Barr, BSc PhD CPhys FInstP FRSE

Paisley College of Technology, Scotland.

**Diploma in Human  
Nutrition and Dietetics.**

**BSc (Human Nutrition)**

Year III and Year IV.

(Ref: WBD III and WBD IV).

Professor Alan Jackson, MA MD FRCP

University of Southampton,

England.

Pamela J. Brereton, SRD

Northwick Park Hospital and Clinical Research  
Centre, Middlesex, England.

Hubert McDermott, BA MA DPhil HDipEd, Galway

**Diploma in Human  
Nutrition and Dietetics.**

**BSc (Human Nutrition).**

Year II (Ref: WBD II).

Professor M.G. Harrington, MSc PhD

FICI CBiol FIBiol FIFSTI

Dublin

Professor Ronan O'Regan, MD PhD, Dublin

**Diploma in Human  
Nutrition and Dietetics.**

**BSc (Human Nutrition).**

Year I (Ref: WBD I).

Professor E. Duke, BSc PhD DSc

Dublin

Professor David A. Brown, BSc PhD DSc CChem

FICI FRSC, Dublin.

Patrick M. O'Leary, BSc MSc MA PhD, Galway

**Diploma in Ophthalmic  
Optics**

Year II and Year IV.

(Ref: WSO II and WSO IV).

Professor David Pickwell, MSc FBCOHD DOrth

President, International Optometric &

Optical League,

University of Bradford, England.

Patrick Casey, FAOI, Athlone.

Professor M.G. Harrington, MSc PhD FICI

CBiol FIBiol FIFSTI, Dublin.

**Diploma in Applied Physics**

Year I and Year II

(Ref: PSAP I and PSAP II)

Maurice G. Ebison, BD MA CPhys FInstP  
Head of Education,  
Institute of Physics, London, England.

George A.P. Wylie, BSc PhD CPhys FInstP FRSE  
Glasgow University, Scotland.

Professor G.F. Imbusch, BSc MSc PhD DSc MRIA CPhys  
FInstP CEng FIEE, Galway

**Diploma in Food Science  
and Technology.**

Year II (Final Year).

(Ref: S.6 II)

Gordon G. Birch, BSc PhD DSc  
Department of Food Science and  
Technology,  
University of Reading, England.

Maurice O. Moss, BSc PhD DIC ARCS  
Department of Microbiology,  
University of Surrey, England.

**Diploma in Mathematics**

Year I and Year II

(Ref: M.7.1 and M.7.2)

Professor D.J.G. James, BSc PhD FIMA  
Department of Mathematics,  
Lanchester (Coventry) Polytechnic, England.

R.E. Flood, BSc MSc PhD  
Department for External Studies,  
University of Oxford, England.

**Certificate in Mathematics**

Year III (Final Year).

(Ref: M.4.3).

Professor D.J.G. James, BSc PhD FIMA  
Department of Mathematics,  
Lanchester (Coventry) Polytechnic, England.

R.E. Flood, BSc MSc PhD  
Department for External Studies,  
University of Oxford, England.

**Diploma in Medical  
Laboratory Sciences**

Year II (Final Year).

(Ref: WAML II).

Professor Ian J. Temperley, MA MD  
FRCPI FRCPath, Dublin

John Cann BSc FIMLS, Dublin

Eamonn Fitzpatrick, FIMLS, Dublin

Anthony Murray, FIMLS, Dublin

Edwin Wright, FIMLS, Dublin

P. Gerard McKenna, BSc PhD CBiol  
MIBiol FIMLS

University of Ulster, Coleraine.

Institute of Medical  
Laboratory Sciences  
Assessors

Professor D.J. Hingerty, MSc PhD CChem Frsc  
Dublin

E. Tyrrell, BSc MSc CChem FRSC FICI  
University of Ulster, Jordanstown.

Roger Hall, FIMLS  
St. James's University Hospital,  
Leeds, England.

Robert Francis, FIMLS  
Institute of Pathology,  
The London Hospital,  
London, England.

J.D. Jarvis, FIMLS  
The London Hospital,  
Whitechapel, London,  
England.

Dennis Kilshaw, CBiol MIBiol FIMLS  
Arrowe Park Hospital,  
Merseyside,  
England.

**Certificate in Medical  
Laboratory Sciences**  
Year III (Final year)  
(Ref: WML III)

National Examiner

Colette Hatton, MSc FIMLS DipMedLMgt  
Dublin.

Thomas Moloney, BA FIMLS NDipIRS  
Dublin.

**Certificate in Medical  
Laboratory Sciences**  
Year II (Ref: WML II)

National Examiner

Brendan Tobin, FIMLS  
Dublin.

Patrick B. Collins, BSc MSc PhD  
Dublin.

Professor Moira O'Brien, FRCPI  
Dublin

Conor P.O'Toole, BSc MSc CPhys FInstP  
Dublin.

Professor H. Ridley, MA PhD  
Dublin.

Gerard O'Connor, FIMLS, Dublin.

**Technician Diploma in Applied Science (Applied Biology Option)**  
Year II (Ref: WAS II (B)).

Professor S. J. Martin, MSc PhD  
Queen's University, Belfast.

**Technician Diploma in Applied Science (Applied Biology Option)**  
Year III (Final Third Year).  
(Ref: WAS III (B)).

Professor S.J. Martin, MSc PhD  
Queen's University, Belfast.

Professor J.W.T. Dickerson, BSc PhD CBiol FIBiol  
University of Surrey,  
England.

Patrick Griffin, BAgSc PhD  
Dublin.

Liam Ferguson, FAMLS  
Dublin.

**Technician Diploma in Applied Science (Applied Chemistry Option)**  
Year III Final Year).  
(Ref: WAS III (C)).

J Fenerty, BSc PhD CChem FRSC  
Liverpool Polytechnic,  
England

P.M. Hayden, BSc PhD CChem FRSC FICI  
Dublin.

**Technician Diploma in Applied Science (Applied Physics Option)**  
Year III (Final Year).  
(Ref: WAS III (P)).

James P. Larkin, BSc MSc PhD  
Galway.

Kenneth Hillier, BSc PhD DIC CPhys FInstP MIPM  
Harrogate, England.

**Technician Diploma in Computer Science**  
Year III (Final Year).  
(Ref: WMT III).

Jane B. Grimson, BA BAI MSc PhD  
Dublin

Kevin Drury, BSc FICS  
Dublin.

**Diploma in Bakery Production and Management**  
Year III (Final Year)  
(Ref: WBT III).

Sam Wilson, FTC(CGLI) MIBB  
Newtownabbey,  
Co. Antrim.

**Advanced Certificate in Professional Photography**  
Year V (Final Year).  
(Ref: PSP V).

Professor Georg Gutjahr,  
Fachhochschule,  
Köln, Germany.

Rex Roberts, BSc ABIPP  
Dun Laoghaire, Co. Dublin.

**Certificate in Professional  
Photography - Year III**  
(Final Year). (Ref: PSP III).

Professor Georg Gutjahr,  
Fachhochschule,  
Köln, Germany.

Rex Roberts, BSc ABIPP  
Dun Laoghaire, Co. Dublin.

**Science Laboratory  
Technicians' Diploma Year V**  
(Final Year). (Ref: PSL V).

J. Carroll, BSc MA PhD FICI  
Dublin.

J. Fenerty, BSc PhD CChem FRSC  
Liverpool Polytechnic, England.

P. Vivion Tarrant, BSc PhD FICI  
Dublin.

Professor W.M. Fogarty, BSc PhD FRIC  
Dublin.

**Science Laboratory  
Technicians' Certificate Year  
III (Final Year)** (Ref: PSL III).

J. Fenerty, BSc PhD CChem FRSC  
Liverpool Polytechnic,  
England.

P. Vivion Tarrant, BSc PhD FICI  
Dublin.

Professor W.M. Fogarty, BSc PhD FRIC  
Dublin.

**Technician Certificate in  
Medical Physics and  
Physiological Measurement**  
Year II (Final Year).  
(Ref: PBE III).

Thomas A. Whittingham, BSc MSc PhD ARCS  
CPhys MInstP  
Newcastle General Hospital, England.

**Certificate in Sciences for  
Nurses - Year III (Final Year).**  
(Ref: PSN III).

Roswyn A. Brown, BA MPhil SRN SCM  
DN (London) RNT  
Faculty of Health and Social Sciences,  
City of Birmingham Polytechnic, England.

Graham Manson, MSc CEng MIEE, Cork.

**Honours Diploma in  
Electrical Engineering - Year  
IV (Final Year)** (Ref: SEE IV).

Professor G.T. Wrixon, BE MSc PhD CEng  
FIEE MRIA  
Cork.

Professor R. Cooper, MSc PhD DSc CEng FIEE  
The University of Manchester, England.



**Honours Diploma in Electrical/Electronic Engineering.** Year IV (Final Year) (Ref: SEE IV).

Professor J.L. Douce, BSc MSc PhD DSc  
CEng FIEE SMIEEE  
University of Warwick, England.

Professor C.B. Cooper, BSc MSc PhD CEng FIEE  
University of Manchester,  
Institute of Science and Technology,  
England.

Professor A.M. Rosie, BSc MSc PhD FIEE CEng FIEE  
MIEEE  
University of Strathclyde, Scotland.

**Technician Engineering Diploma (Electrical Engineering).** Year III (Final Year). (Ref: WEET III).

Professor R. H. Mitchell, BSc PhD CEng  
MIEE MIERE  
University of Ulster, Jordanstown.

Brian Sweeney, BE MBA CEng FIEI, Dublin.

**Technician Engineering (Electronics and Telecommunications) -** Year III (Final Year). (Ref: WRTT III).

Professor M.V. Whelan, BE ME MA  
MSc DSc FTCD  
Dublin.

J. Blogh, BA BAI PhD MIEE  
Dowty Electronics Ltd.,  
Greenford, England.

**Technician Diploma in Electronic Engineering** Year III (Final Year) (Ref: WRS III).

J. Blogh, BA BAI PhD MIEE  
Dowty Electronics Ltd.,  
Greenford, England.

Professor J.A.C. Stewart,  
Queen's University, Belfast.

**Certificate in Electronics** Year II (Final Year). (Ref: WRCE II).

Professor J.A.C. Stewart,  
Queen's University, Belfast.

C. Ralph, MSc, Dublin.

**Certificate in European Languages for Business** Year II (Final Year). (Ref: WLBS 2).

Christopher Lyons, PhD  
University of Salford,  
England.

Glyn Hatherall, MA  
Ealing College for Higher Education,  
London, England.

Con Power, B.Comm MEconSc FCCA FCMA FICS  
Dublin.

## LIST OF GRADUATES 1986

### CÉIMAITHE 1986

#### DIPLOMA IN APPLIED SCIENCES

Graduates of this course also qualify for the award of BSc (Applied Sciences) from the University of Dublin with the same Honours Classification as that obtained in the Diploma in Applied Sciences.

NAME	AWARD	NAME	AWARD
Behan, James Joseph	Pass	Kelly, Sean Mortimor	Honours 2.2
Boulter, Brendan Anthony	Honours 2.1	Kenny, John Christopher	Honours 2.2
Breen, Kevin	Honours 2.2	Kerr, Denis Raymond	Honours 2.2
Brennan, John Francis	Pass	Lappin, Victoria Rose	Honours 2.1
Byrne, Jacqueline Mary	Pass	Meehan, Andrew Michael	Pass
Byrne, Paul	Honours 2.1	Mesckell, Paul Martin	Honours 2.1
Chorbachi Auf Abdulrahman	Pass	Messayeh, Sami Simon	Honours 2.2
Compelli, Susan	Honours 2.2	Moran Diarmuid	Honours 2.2
Dagg, Steven Robert	Honours 2.1	O'Colmáin, Aideen	Pass
Dineen, Joseph Noel	Honours 2.2	O'Donnell, Criona	Honours 2.2
Fenton, David Martin	Honours 2.1	O'Shea, Mary Patricia	Pass
Flanagan, John Michael	Pass	Quigley, Anthony	Honours 2.1
Flynn, Patrick Gerard	Honours 2.2	Sinnott, Eamonn Anthony	Honours 2.1
Forbes, George William	Honours 2.2	Slattery, John Amrbrose	Pass
Healy, Michael Francis	Honours 2.1	Smith, Doreen Ellen	Honours 2.2
Irvine, Donald Alexander	Honours 2.1	Thompson, Patrick Joseph	Honours 2.2
Kane, Eveline Heather	Pass	Whyms, Dermot Martin	Honours 2.1
Keany, John Gerard	Honours 2.1		

#### DIPLOMA IN APPLIED PHYSICS

This course is validated by the Institute of Physics and graduates of this course satisfy the academic requirements for Corporate Membership of the Institute of Physics.

NAME	AWARD	NAME	AWARD
Ballouane, Ahmed	Honours 2.2	Keating, Donal Michael	Honours 2.1
Devlin, Kevin Brendan	Honours 2.2	Shanley, Richard Patrick	Honours 2.1
Grant, James John	Honours 1		

#### DIPLOMA IN OPHTHALMIC OPTICS

NAME	AWARD	NAME	AWARD
Ambrose, Caroline Ita	Honours 2.1	Connolly, Claire Therese	Honours 1
Clarke, Martene Mary	Honours 2.2	Connolly, Mary Geraldine	Honours 2.1

NAME	AWARD	NAME	AWARD
Cronin, Veronica	Honours 2.1	Kavanagh, Fiona Maria-Goretti	Honours 2.1
Darzi, Vilma Anahid	Honours 2.2	Leahy, Fiona Maria	Honours 2.2
Day, Graham Paul	Pass	Makada, Ahmed Essop	Honours 2.2
Duggan, Regina Catherine	Honours 2.1	McDermott, Mary Fiona	Honours 2.2
Eustace, Siobhán Anne	Honours 2.1	McCrudden, Niall Patrick	Honours 2.2
Griffin, Helena Mary	Honours 2.1	Nolan, Catherine Rena	Honours 1
Griffin, Joan Anne	Honours 2.1	Purton, Julie Mary	Honours 2.1
Harty, Roderick Martin	Honours 2.2	Raftery, Gillian Rosemary	Honours 2.1
Joy, Melina	Honours 2.1		

### **BSc(Human Nutrition)**

#### **DIPLOMA IN HUMAN NUTRITION & DIETETICS**

NAME	AWARD	NAME	AWARD
Barnes, Elizabeth Ann	Honours 2.2	O'Reilly, Adrienne Ellen	Honours 2.2
Holly, Katherine Mary	Honours 2.1	Rice, Niamh	Honours 2.1
Jordan, Catherine Ann	Honours 2.2	Shanley, Nuala Anne	Honours 2.2
Kennedy, Elaine Joan	Honours 2.1	Smith, Mairéad Goretti	Honours 2.1
Markham, Maria Bernadette	Honours 2.2	Somerville, Jill Catherine	Honours 2.2
McNulty, Helena Mary	Honours 2.1		

#### **GRADUATE DIPLOMA OF THE INSTITUTE OF FOOD SCIENCE & TECHNOLOGY**

##### **NAME**

Choong, Ngok Kim  
Connolly, Justine  
Reid, Kevin

#### **GRADUATESHIP DIPLOMA OF THE INSTITUTE OF BIOLOGY**

NAME	AWARD	NAME	AWARD
Gavin, Emmet	Honours 2.2	Sheehan, Paul	Honours 1
Lalor, Ann Bernadette	Honours 2.2	Sloan, Teresa	Honours 2.2
McKnight, Aine	Honours 2.2		

#### **GRADUATE MEMBERSHIP DIPLOMA OF THE ROYAL SOCIETY OF CHEMISTRY**

##### **NAME**

Carney, Aideen Mary  
Cunningham, Susan Mary

##### **NAME**

McNamara, Mary  
O'Shea, Joseph Gerard

## MEMBERSHIP DIPLOMA OF THE BRITISH COMPUTER SOCIETY

### NAME

Davis, Brian

## DIPLOMA IN FOOD SCIENCE

NAME	AWARD	NAME	AWARD
Cahill, Jean Maria	Pass	Finnerty, Andrew Anthony	Pass
Choong, Ngok Kim	Distinction	Martin, Eileen Patricia	Pass
Conneely, Patrick Gerard	Credit	McGuire, Denis Gerard	Credit
Corr, Barbara Anne	Pass	O'Connor, Rory	Credit
Farrell, Carmel Mary	Pass	O'Riordan, Niall Thomas	Credit

## FELLOWSHIP OF THE INSTITUTE OF MEDICAL LABORATORY SCIENCES

NAME	NAME
Brennan - O'Shea, Ann	Kirrane, Clare
Brennan, Patricia	Lambkin, Helen
Clarke, Colette	Lynham, Ita
Clarke, Dympna	McCabe, Elizabeth
Collins, Mary Bernadette	McCann, Ann Marie
Cox, Gerard	McGrath, Patricia
Gallagher, Anthony Patrick	McSherry, Carol
Grehan, David	Meyler, Maureen
Gill, James	Murray, Maria
Griffin, Aileen	O'Connor, Daniel Joseph
Healy, Michele	Quigley, Frances
Hopkins, Lesley	Seeley, Blaithead
Keegan, Brendan	Twomey, Catherine
King, Theresa	

## DIPLOMA IN MEDICAL LABORATORY SCIENCES

NAME	AWARD	NAME	AWARD
Ahern, Mary	Pass	Curtis, Paula Mary	Pass
Buckley, Eileen Patricia	Pass	Deely, Patricia	Pass
Burke, Anne Therese	Credit	Dowd, Anna Geraldine	Credit
Burke, Paula	Pass	Dowdall, Nicole	Credit
Butler, Brigid Margaret	Credit	Felle, Pauline Genevieve	Pass
Coleman, Eoin Thomas	Pass	Fitzpatrick, John	Pass
Collins, Mary Geraldine	Credit	Fitzpatrick, Elizabeth	Pass
Connaughton, Mary Rita	Pass	Frize, Kathleen	Pass
Connell, William Bernard	Pass	Gallagher, Concepta Frances	Pass
Cotter, Yvonne Mary	Pass	Garland, John Paul	Pass

NAME	AWARD	NAME	AWARD
Gill, Patrick Martin	Pass	Murphy, Daniel Joseph	Pass
Hodnett, Catherine	Pass	O'Brien, Nuala	Credit
Lambkin, Imelda	Credit	O'Connor, Brigid	Pass
Lee, Barbara Christina	Pass	O'Shaughnessy, Patricia	Pass
Linehan, Elizabeth Mary	Pass	O'Shea, Ann Teresa	Pass
Lunney, Geraldine Margaret	Pass	Quigley, Philomena Mary	Pass
Lynch, Patricia Josephine	Pass	Rooney, Sean	Pass
McCloskey, Helen Patricia	Pass	Rose, Mary Patricia	Pass
McFadden, Darina Celine	Pass	Ryan, Desmond Paul	Pass
McKeown, Damian Patrick	Pass	Seymour, Josephine Mary	Pass
McSweeney, Jeremiah Anthony	Pass	Sheehan, Elizabeth	Credit
Mintern, Joan Ann	Pass	Traynor, Suzanne Elizabeth	Pass
Molloy, Margaret Ann	Pass	Twomey, Catherine Alice	Pass
Morojele, Corney Morakane	Pass	Walsh, Ann Mary	Pass

### CERTIFICATE IN MEDICAL LABORATORY SCIENCES

NAME	AWARD	NAME	AWARD
Begley, Martina Brigid	Credit	Judge, Linda Elizabeth	Pass
Buckley, Colm Joseph	Pass	Lebese, Lisebo Francinah	Pass
Cloughley, Richard Colin	Credit	Matsora, Albert Posholi	Pass
Connor, Caroline Mary	Pass	McGrath, Pauline	Credit
Corrigan, Deirdre Mary	Pass	McMahon, Lorraine Bernadette	Pass
Donnelly, Geraldine Brigid	Credit	Moran, Gráinne	Pass
Fogarty, Jane Teresa	Credit	Ní Dhonnchadha, Neasa Íde	Credit
Foley, Maura Ignatious	Credit	O'Keefe, Johanna Theresa	Pass
Godwin, Moira Ann	Pass	Power, Colm Gerard	Pass
Grehan, Evelyn Mary	Credit	Power, Carlósa	Credit
Healy, Geraldine Mary	Credit	Power, Annette Julia	Credit
Herra, Celine Maria	Credit	Quinn, Maria Kathleen	Pass
Hutchinson, Anne	Credit		

### TECHNICIAN DIPLOMA IN APPLIED SCIENCE (BIOLOGY OPTION)

NAME	AWARD	NAME	AWARD
Ball, Raymond Edward	Pass	Lusumpa, William Joackim	Credit
Blankson, Siobhán Josephine	Credit	McKenna, Donal	Pass
Ennis, Margaret Elizabeth	Pass	Monaghan, Tracey	Distinction
Foley, Josephine Ann	Distinction	Morrissey, Josephine	Credit
Hughes, Patrick	Credit	Roche, Theresa Bernadette	Credit
Kellymor, Siobhán	Pass	Smith, Lorraine Mary	Distinction

### TECHNICIAN DIPLOMA IN APPLIED SCIENCE (CHEMISTRY OPTION)

NAME	AWARD	NAME	AWARD
Byrne, Kenneth	Credit	Malley, David John	Pass
Clarke, Brian Gerard	Pass	McDonald, Janice Louise	Credit
Donelan, Ronan B.	Pass	McLoughlin, Patricia Josphine	Credit
Dungan, Colman James	Pass	Nugent, Paula Frances	Pass
Fitzpatrick, Carol Mary	Pass	O'Brien, Clfona Maria	Pass
Geoghegan, Marie Ellen	Credit	Smyth, Aidan Xavier	Credit
Kane, Patrick Stephen	Credit	Synnott, Caroline Mary	Pass

### TECHNICIAN DIPLOMA IN APPLIED SCIENCE (PHYSICS OPTION)

NAME	AWARD	NAME	AWARD
Beirne, John Joseph	Pass	Hallowed, Gareth Alan	Pass
Bergin, Thomas Anthony	Pass	Kateshi, Wilbroad Lombe	Pass
Brennan, Michael George	Pass	Kavanagh, Paul Martain	Pass
Byrne, John Paul	Credit	Keane, James Lawrence	Credit
Cagney, Carl Joseph	Pass	Kennedy, Barry John	Credit
Cahill, Kevin Michael	Credit	Kinsella, Ivor Hugh	Credit
Cleary, Karen	Pass	Magahran, Mark William	Credit
Conroy, Sandra Mary	Credit	McGoldrick, Ann Marie	Pass
Devine, Albert James	Credit	Murray, Christina Anneq	Credit
Dineen, John Pdraig	Pass	Ní Neachtáin, Áine Máire	Credit
Dowd, Sean Michael	Pass	Nolan, Mary Catherine	Credit
Fineman, Sharon Rebecca	Pass	O'Donnell, Nicholas Dominic	Pass
Fortune, Francis Joseph	Distinction	O'Mara, Cillian Michael	Credit
Hanna, Sinead Mary	Pass	Ryan, Carmel Thérèse	Distinction
Hayden, Eileen Teresa	Pass		

### TECHNICIAN DIPLOMA IN COMPUTER SCIENCE

NAME	AWARD	NAME	AWARD
Boyle, Maeve Caitríona	Credit	Keaney, Aideen Mary	Credit
Brady, Declan Thomas	Distinction	Leahy, Finbar Joseph	Pass
Callanan, Sean A.	Pass	Martin, Robert John	Credit
Delaney, Barry Gerald	Credit	McKenna, Kenneth Joseph	Credit
Donegan, John	Distinction	Miller, Aiden Michael	Pass
Donnelly, Colm Lennart	Credit	Mulrane, Philip Gabriel	Credit
Gough, Maria Geraldine	Credit	Sweeney, Deirdre Elizabeth	Credit
Hassett, John Anthony	Pass	Ward, Rory Patrick	Distinction

## DIPLOMA IN BAKERY PRODUCTION & MANAGEMENT

NAME	AWARD	NAME	AWARD
Conoulty, Aidan	Pass	McGettigan, John	Pass
Drohan, Siobhán Máire	Pass	O'Connor, Kathleen Theresa	Credit
Drohan, Kevin Michael	Credit	O'Connor, Elizabeth Ann	Pass
Forristal, Nicola Bridget	Distinction	Patterson, Siobhán Mary	Pass
Guirey, Christine	Pass	Synnott, Alan Anthony	Credit
McCluskey, Cyril Hugh	Credit		

## ADVANCED CERTIFICATE IN PROFESSIONAL PHOTOGRAPHY

NAME	AWARD
Butler, Peter Gerard	Credit
Farrelly, Joyce Mary	Credit
Hewson, Roy Emmanuel	Pass

## CERTIFICATE IN PROFESSIONAL PHOTOGRAPHY

NAME	AWARD	NAME	AWARD
Coakley, Gearóid Richard	Pass	Hourican, Margaret Rose	Pass
Donnelly, Claire Margaret	Pass	McCaughy, Thomas Declan	Credit
Dooley, Sharon Valerie	Pass	Meagher, Kieron Brendan	Pass
Heneghan, Bernadette	Credit	Moore, Barry Joseph	Credit
Horan, Denis Patrick	Pass	Nolan, Patrick Michael	Credit

## SCIENCE LABORATORY TECHNICIAN DIPLOMA

NAME	AWARD	NAME	AWARD
Cullen, Anne H.	Credit	Lee, Kenneth Christopher	Credit
Gilbert, Jean Margaret	Pass	Nixon, Eugene Robert	Pass
Gormley, Catherine Mary	Distinction	O'Rorke, Adrienne Mary	Credit
Howley, Ellen Mary	Distinction	Ruane, Bernadette	Credit
Kelly, Clare Margaret	Pass	Ryan, Eileen Anne	Pass
Ledwidge, Susan	Pass	Scott, Kenneth Robert	Credit

## SCIENCE LABORATORY TECHNICIAN CERTIFICATE

NAME	AWARD	NAME	AWARD
Donnegan, Christine G.	Distinction	Jones, Teresa	Pass
Dunne, Joseph Noel	Credit	O'Reilly, Lorraine	Credit
Flynn, John Laurence	Credit	O'Reilly, Patrick Joseph	Distinction
Gleeson, Maurice Francis	Pass		

## TECHNICIAN CERTIFICATE IN MEDICAL PHYSICS & PHYSIOLOGICAL MEASUREMENT

NAME	AWARD	NAME	AWARD
Cagney, Breda Martina	Credit	Grouden, Maria	Distinction
Doran, Eithne Teresa	Distinction	Mangan, Mary Elizabeth	Credit
Farrelly, Louise Martina	Distinction	Tighe, Mary Geraldine	Credit
Fitzgerald, Fionna Siobhan	Pass		

## CERTIFICATE IN SCIENCES FOR NURSES

NAME	AWARD	NAME	AWARD
Ballantyne, Theresa Corina	Credit	McCabe, Valerie J.	Pass
Bradshaw, Carmel Martina	Credit	McGeough, Lorraine	Credit
Brady, Anne	Credit	McGrath, Maeve Bernadette	Pass
Brosnan, Mary	Credit	McKiernan, Margaret Attracta	Pass
Browne, Maureen Bridget	Distinction	McLoughlin, Patricia	Credit
Cahill, Nora Dympna	Pass	McVeigh, Paula Mary	Pass
Carroll, Ruth	Credit	Moloney, Anne Caitriona	Pass
Clarke, Vanessa Jayne	Credit	Morrissey, Anne Mary	Pass
Cleary, Anastasia	Credit	Mulvaney, Angela Mary	Credit
Coakey, Yvonne	Credit	Murphy, Sharon	Credit
Conroy, Mary Jacinta	Credit	Murray, Fiona Louisa	Credit
Croke, Mary Rosemary	Pass	Murray, Mary Philomena	Pass
Cuffe, Anne Sarah	Pass	Murray, Rosaleen Ann	Credit
Doogue, Sinead Mary	Credit	Nevin, Helen Margaret	Credit
Dowd, Margaret Mary	Distinction	O'Callaghan, Emer Mary	Pass
Doyle, Carmel Mary	Credit	O'Connor, Siobhán Geraldine	Credit
Doyle, Tracy	Credit	O'Donnell, Mary Catherine	Credit
Dunphy, Siobhán Mary	Credit	O'Halloran, Marie Patricia	Pass
Dwyer, Anne Ellen	Credit	O'Herlihy, Anne Marie	Pass
Dwyer, Carmel Bridget	Credit	O'Sullivan, Helena Teresa	Credit
Faughnan, Brigid Anne	Pass	Phelan, Catherine Sharon	Credit
Fitzpatrick, Claire Frances	Credit	Rooney, Yvonne Mary	Credit
Flanagan, Caroline Mary	Pass	Ryan, Anastatia	Credit
Graham, Susan Geraldine	Credit	Ryan, Catherine Lua	Credit
Halley, Geraldine Mary	Credit	Ryan, Nora Mary	Credit
Henry, Patricia Juliann	Credit	Ryan, Bridget	Credit
Hunt, Sheila Anne	Credit	Scully, Brenda Mary	Credit
Keegan, Rosemary Elizabeth	Credit	Scully, Michele Therese	Pass
Kelly, Mary Majella	Credit	Smyth, Clarette	Pass
Kennedy, Bríd	Credit	Staunton, Thérèse Marie	Credit
Laffan, Annette Marie	Pass	Travers, Barbara Mary	Credit
Lane, Deirdre	Pass	Tynan, Margaret Patricia	Pass
Lee, Monica Jacqueline	Credit	Whyte, Mary Brigid	Credit



## HONOURS DIPLOMA IN ELECTRICAL ENGINEERING

Graduates of this course also qualify for an award of BSc(Eng) from the University of Dublin with the same Honours Classification as obtained in the Honours Diploma in Electrical Engineering.

NAME	AWARD	NAME	AWARD
Barrett, Richard Anthony	Honours 2.1	Lynan, John Peter	Pass
Boland, Paul Joseph	Pass	MacSweeney, Seamus Leo	Pass
Butler, Joseph Mary	Honours 2.1	Mahony, Denis Hugh	Honours 2.2
Byrne, Paula Mary	Honours 2.2	Malone, Colm Vincent	Pass
Byrne, Eamonn	Pass	Manning, David	Honours 2.2
Cahill, Geraldine Mary	Pass	Marron, Brian James	Honours 2.2
Callaghan, James Gerard	Honours 1	Martin, Patrick Gerard	Honours 2.2
Carr, Susan Ann	Honours 2.1	McCaffrey, Colin Francis	Honours 2.2
Carroll, David Patrick	Honours 2.2	McGee, Sean Paul	Honours 2.2
Connolly, Eamonn John	Honours 2.1	McHugh, Leo Patrick	Honours 2.1
Cooper, Martin John	Honours 2.2	McNally, Edward Anthony	Honours 2.1
Craig, Michael John	Pass	Murphy, John Martin	Pass
Crean, Donal John	Honours 2.2	Murphy, Fergus Gerard	Honours 2.1
Cullen, Donal Anthony	Honours 2.2	Murray, Denis M.	Honours 2.1
Darcy, Patrick Joseph	Pass	Mylod, Fachtna	Honours 2.2
Davis, Raymond Joseph	Honours 2.2	Nolan, Mark Joseph	Honours 2.2
Delaney, Vincent Thomas	Pass	Nolan, Paul Michael	Honours 2.2
Donnellan, James Vincent	Pass	O'Connor, Kevin Henry	Honours 2.1
Downes, Robert Michael	Honours 1	O'Donnell, Owen Thomas	Honours 2.2
Doyle, Paul Patrick	Honours 1	O'Shea, Conaire	Honours 2.1
Duffy, Sean Patrick	Honours 2.2	O'Sullivan, John Michael	Honours 2.1
Fitzpatrick, Cormac Gerard	Honours 2.1	Peelo, Francis Jude	Pass
Flaherty, Richard Patrick	Honours 2.2	Proudfoot, Adrian Brendan	Honours 2.1
Flynn, Bary Gerard	Honours 2.1	Raftery, David Martin	Honours 2.1
Foley, Patrick Joseph	Honours 2.2	Rossiter, Edel Margaret	Pass
Gardiner, Thomas Christopher	Honours 2.2	Ryan, Liam Francis	Honours 2.1
Gartland, John	Honours 2.2	Ryan, Mary Concepta	Honours 2.1
Gilleran, Martin Gerard	Honours 2.1	Slattery, William Thomas	Honours 2.2
Gilson, David Henry	Honours 2.2	Sweeney, Paul James	Honours 2.2
Griffin, John	Honours 2.1	Tarrant, Patrick Joseph	Honours 2.2
Harris, Joseph Patrick	Pass	Taylor, Gerard Peter	Honours 2.2
Hayes, Shane John	Pass	Thomas, Vincent Frederick	Honours 2.2
Hynes, Eamonn Seosamh	Honours 2.1	Tyndall, Mark Anthony	Honours 2.2
Irving, Thomas Donal	Honours 2.2	Uhlemann, Stefan Werner	Honours 2.2
Leonard, Thomas C.	Honours 2.2	Whelan, James Michael	Honours 2.1

## ENGINEERING COUNCIL PART II

### NAME

Farnan, Martin  
Gorman, Peter

## TECHNICIAN ENGINEERING DIPLOMA – ELECTRICAL ENGINEERING

NAME	AWARD	NAME	AWARD
Austin, Justin	Pass	Hope Ross, Norris	Pass
Brennan, John Thomas	Credit	Keaveney, Neil William	Pass
Brunkard, Philip James	Pass	McAvinue, Bernard Joseph	Credit
Donnelly, Mary Katherine	Pass	McGloin, Patrick Lawrence	Pass
Dowling, Thomas Colman	Credit	McGowan, Bernard Charles	Credit
Duffy, Eithne Therese	Pass	O'Connor, Kenneth James	Pass
Duignan, Francis Donal	Distinction	O'Reilly, Karen	Pass
Dunne, James Stephen	Credit	Rainford, Liam	Pass
English, Bruce Jonathan	Pass	Sherry, Kieran	Distinction
Free, Robin David	Pass	Sneyd, Susan	Pass
Gorman, Finnian	Distinction	Young, Ciarán Francis	Distinction
Halpin, Liam Joseph	Pass		

## TECHNICIAN ENGINEERING DIPLOMA – TELECOMMUNICAITONS & ELECTRONICS

NAME	AWARD	NAME	AWARD
Arthure, Kevin David	Pass	MacKeown, Alan	Pass
Bobbett, David Richard	Pass	Mortell, David Philip	Credit
Bridgeman-Smith, Trevor	Credit	O'Connor, Keith Dermot	Pass
Cotter, Kevin Patrick	Pass	O'Donnell, Desmond Thomas	Distinction
Dorgan, Ciarán Michael	Pass	O'Donohoe, Brian Patrick	Pass
Farrell, Brian Michael	Pass	O'Neill, Gerard Patrick	Credit
Freaney, John Barry	Pass	Purcell, John	Credit
Goodwin, Albert Patrick	Credit	Shanley, Eric Matthew	Pass
Higgins, Aidan William	Pass	Skelly, Eamonn	Pass
Kearney, Brian Anthony	Credit	Sweeney, Anthony Matthew	Pass
Kelly, Denis	Distinction	Timmons, Terence Gerard	Pass
Leamy, Fintan Michael	Credit	Walsh, Colin Laurence	Pass
Leddy, Alan Patrick	Pass	Whyte, Joseph Martin	Credit

## TECHNICIAN DIPLOMA IN ELECTRONIC ENGINEERING

NAME	AWARD	NAME	AWARD
Chaney, Joseph Peter	Pass	O'Reilly, Thomas Philip	Credit
Chapple, David Alan	Credit	Priestley, Paul Gerard	Pass
Clancy, Jeffrey Anthony	Credit	Quinn, Paul Francis	Credit
Evans, Brian Seamus	Pass	Redmond, Thomas Hugh	Pass
Geraghty, Michael Joseph	Credit	Spelman, Derek Francis	Pass
Hackett, Sean	Pass	Twomey, Aidan Patrick	Credit
Hanratty, George	Pass	Tynan, Paul Patrick	Pass
Healy, Andrew Walter	Pass	Wynne, Joseph Dermot	Pass
McKenna, Maurice Christopher	Credit		

## TECHNICIAN CERTIFICATE IN ELECTRONICS

NAME	AWARD	NAME	AWARD
Arcari, Mario Antonio	Credit	Kenny, Sean Kevin	Distinction
Clarke, Patrick Gerard	Pass	Leone, Paul Nicholas	Credit
Colgan, Kenneth Joseph	Credit	McGovern, Anthony Joseph	Distinction
Creegan, Eugene James	Distinction	McGrath, Simon Peter	Pass
Dempsey, Anthony Brendan	Pass	Plunkett, Raymond Noel	Pass
Doyle, Thomas John	Pass	Ryan, Eileen	Credit
Farrelly, Eoin	Pass		

## ELECTRICAL TECHNICIANS' CERTIFICATE

NAME	AWARD
Casey, Michael Patrick	Pass
Whelan, Paul Anthony	Pass

## CERTIFICATE IN EUROPEAN LANGUAGES FOR BUSINESS

NAME	AWARD	NAME	AWARD
Behan, Bernadette	Credit	Grimes, Jacqueline Mary	Pass
Burke, Patrick	Pass	Grumley, Ruth Mary	Pass
Burke, Aidan Gerard	Pass	Kinsella, Maeve Brigid	Credit
Cannon, Elaine Margaret	Credit	McKay, Allison Jane	Credit
Conlon, Deirdre Mary	Distinction	Murphy, Helene Mary	Credit
Cooke, Caitriona Mary	Pass	O'Hanlon, Deirdre	Credit
Donohoe, Denis	Distinction	O'Hanlon, Anita	Credit
Downes, Caroline Mary	Credit	O'Neill, Sandra-Jane	Pass
Downes, Jennifer Christine	Credit	Prause, Ramona Christina	Pass
Gilmartin, Edward David	Pass	Sellars, Bridget Patricia	Pass
Gray-Mooney, Michelle	Pass	Tracey, Helen Mary	Credit
Gribbon, Jane Marie	Pass		

## EXTERNAL AWARD OF CERTIFICATE IN MEDICAL LABORATORY SCIENCES FOR LABORATORY TECHNICIANS - LESOTHO

NAME	AWARD	NAME	AWARD
Chakache, Ntahl	Pass	Monareng, Khotso	Credit
Lepholisa, Thato	Pass	Maphike, Matsepiso	Pass
Lehloba, Franscesca	Pass	Hlalele, Moleboheng	Credit
Makhoba, Emily	Pass	Motsoane, Tsietso	Distinction
Maqutu, Makhelane	Pass	Nyopa, Maleqhoa	Credit

**EXTERNAL AWARD OF CERTIFICATE IN MEDICAL LABORATORY  
SCIENCES FOR MEDICAL LABORATORY ASSISTANTS - LESOTHO**

**February 1986**

**NAME**

Mpobane, Khotso  
Mabitso, Papashane  
Ntsihlele, Solomon

**November 1986**

**NAME**

Diaho, Mosilinyane  
Dlamini, Sabelo  
Leokaoke, Makhetha  
Mabele, Molise  
Magumela, Crosby  
Mkhonta, Joseph

**NAME**

Moeletsi, Makhotso  
Mokalanyane, Suzan  
Motumi, Mosala  
Ramaili, Taole  
Setlaba, Selloane

## **PRIZEWINNERS 1986**

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### **DUAISAITHEORÍ**

#### **PAGEBOY AWARD FOR COMMUNICATIONS**

Established 1974

Awarded annually to the student with the best performance in the Final Year of the Technician Engineering Diploma – Telecommunications and Electronics.

**Desmond T. O'Donnell**

#### **THE IRISH NUTRITION AND DIETETIC ASSOCIATION PRIZE**

Established 1975

This Prize is sponsored by the Irish Nutrition and Dietetic Association, and is awarded to the graduate of the BSc(Human Nutrition) Course who maintained the most consistently high standard over the four years of the course.

**Mairéad Goretti Smith**

#### **THE JOHN BROPHY AWARD**

Established 1978

This award is made annually to the best student in the Final Year Diploma Examination in Medical Laboratory Sciences. The prize, a Sterling Silver Medal, is sponsored by the Medical Supply Company to honour the memory of John Brophy, who was the first full-time Lecturer in Medical Laboratory Sciences in the College and who served in that capacity from his appointment in 1969 to the time of his death in 1976.

**Brigid Butler**

#### **THE BRIAN O'KEEFFE AWARD**

Established 1978

Established by Mrs. O'Keeffe in memory of her husband Brian, who was a Lecturer in the Chemistry Department, 1964-1974, and it is awarded annually to the student who attains the highest total marks in the Final Year Examination for the Technician Diploma in Applied Science (Applied Chemistry Option).

**Patrick Stephen Kane**

#### **INSTITUTE OF IRISH BAKERS CUP**

Established 1978

Awarded annually to the student with the highest marks in Bakery Technology and Applied Science in the Final Examination of the Diploma in Bakery Production and Management Course.

**Nicola Forristal**

### **FALCONER CUP**

Established 1978

Awarded annually to the student who has shown the highest standard of Artistic Excellence on set project work in the final year of the Diploma in Bakery Production and Management Course.

**Nicola Forristal**

### **BOLANDS CUP**

Established 1978

Awarded annually for Artistic Merit and Craftsmanship in Cake Decoration.

**Nicola Forristal**

### **ASSOCIATION OF SUPERVISORY AND EXECUTIVE ENGINEERS AWARD**

Established 1980

This prize is awarded to the student who obtained the highest mark for the Building Services Project in the Final Examination of the Technician Engineering Diploma – Electrical Engineering.

**John Brennan**

### **THE HARTE-BARRY PRIZES**

Established 1981

These prizes, presented annually to the two best students in the Final Examination for the Diploma in Ophthalmic Optics are sponsored by the Opticians' Board to mark the work of its first Registrar, Ivor Harte-Barry.

**Claire Connolly**

**Rena Nolan**

### **FLORA NUTRITION AWARD**

Established 1982

A Scholarship Award of £1,500 sponsored by the manufacturers of Flora, W. & C. McDonnells Ltd., and is to be used towards postgraduate research in the field of Human Nutrition and Dietetics. It is awarded to the best Final Year student of the BSc (Human Nutrition) Course.

**Niamh Rice**

### **ERICSSON PRIZE**

Established 1983

This prize is sponsored by Ericsson Information Systems and is awarded to the best student in the Final Year Examination of the Technician Diploma in Computer Science.

#### **Joint Winners**

**Declan Thomas Brady    Rory Patrick Ward**

### **LAKE ELECTRONICS PRIZE**

Established 1986

This prize of £100 is sponsored by Mr. Harry Lynam, Managing Director of Lake Electronics and is awarded to the Student who obtains First Place in the Final Examination for the Diploma in Applied Physics.

**James John Grant**

### **LOCTITE MEDAL**

Established 1986

All students taking the Final Examination of the Technician Diploma in Applied Science in Applied Chemistry and Applied Physics are eligible to be considered for this prize. A Sterling Silver Medal is awarded to the student with the best performance in the Final Examination.

**Carmel Ryan**

### **CARDIAC SERVICES PERPETUAL AWARD**

Established 1986

Awarded annually to the student with the best performance in the Final Year of the Technician Diploma Course in Applied Science (Physics Option).

**Carmel Ryan**

### **OVERSEAS MANAGERIAL AND TECHNICAL STUDENTSHIPS**

The following Graduates of the Honours Diploma in Electrical/Electronic Engineering have been awarded Overseas Managerial and Technical Studentships and have been assigned to Japanese Companies to spend two years working at senior management level in Japanese plants:

**Raymond Davis – Plastronics Ltd.    Leo McHugh – Nissan Ltd.**  
**David Gilson – Tescon Ltd.        Vincent Thomas – Nippon Ltd.**  
**Shane Hayes – Tescon Ltd.**

The sponsorship scheme is organised in Ireland and overseas by AnCo – The Industrial Training Authority, in association with named overseas sponsoring organisations and the Industrial Development Authority. Sponsors are from business, manufacturing industry, commerce and the service organisations. Some sponsors have manufacturing facilities in Ireland, while others who are not established here are anxious to facilitate cultural exchanges, training and work experience between countries.

**CITY AND GUILDS OF LONDON INSTITUTE AWARDS  
OBTAINED IN 1986 BY STUDENTS OF THE COLLEGE**

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**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART I  
PHYSICAL SCIENCE T1**

**John Patrick Lambert**

**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART I  
TELECOMMUNICATION SYSTEMS T1**

**Patrick David Barry**

**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART I  
COMMUNICATION STUDIES T1**

**Sandra Lawlor**

**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART I  
ELECTRONICS T2**

**Michael Anthony Roberts**

**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART I  
ELECTRICAL PRINCIPLES T3**

**Roderick Douglas Myles**

**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART II  
MICROELECTRONIC SYSTEMS T3**

**William Joseph Curtin**



**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART II  
RADIO T4**

**Paul Grogan**

**First Prize**

**TELECOMMUNICATIONS TECHNICIANS PART II  
TRANSMISSION T4**

**Jeremiah Garvey**

**Second Prize**

**ELECTRICAL ENGINEERING TECHNICIANS PART II  
POWER**

**Gerard Paul Roche**

**First Prize**

**ELECTRICAL ENGINEERING TECHNICIANS PART III  
CONTROL SYSTEMS ENGINEERING**

**Thomas Charles O'Neill**

**First Prize**

**ELECTRICAL ENGINEERING TECHNICIANS PART III  
UTILISATION OF ELECTRICAL ENERGY**

**Paul Noel Freeman**

## NBST STUDENT PROJECT AWARDS

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Students whose projects in 1985/86 were funded by THE NATIONAL BOARD FOR SCIENCE AND TECHNOLOGY under the STUDENT PROJECT DEVELOPMENT PROGRAMME.

**Bourke, Steward**

Department of Electronics and  
Communications Engineering.  
**"Development of a P.A. Amplifier"**

**Cusack, John**

Department of Electronics and  
Communications Engineering.  
**"Bicycle Lights"**

**Davison, Edwin H.**

Department of Physics  
**"Development of a Digital Sphygmomanometer"**

**Harris, J.**

Department of Electrical Engineering  
**"Development of an Energy Management Programme"**

**Irvine, Donald**

Department of Physics  
**"The Investigation and Measurement of Defects on Glass Surfaces"**

**Keenan, Brendan**

Department of Biological Sciences.  
**"Development and Acceptability of Bread and Bakery Products made from an 80% Extraction Flour"**

## STAFF AWARDS AND RESEARCH GRANTS

### 1st January 1982 – 31st December 1986

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**Albertini, C.** (1985 to date). Deputy Director, Irish Research Unit of the EEC Machine Translation Research Project (Eurotra) at the National Board for Science and Technology.

**Ashall, P.** (1986). Research Grant from DIT Research Committee; Automation of a batch distribution unit.

**Broderick, M.** (1986). Invited member of Irish Research Unit of the EEC Machine Translation Research Project (Eurotra) at the National Board for Science and Technology.

**Davison, D.H.** (1984). National Bord for Science and Technology Funding for Research on Photographic Work of Mary, Countess of Rosse.

**Davison, D.H.** (1986). National Adjudicator for Irish Independent/Irish Life National Arts Awards.

**Dowding, V.M.** (1983-86). Director, Cerebral Palsy Research Project; Central Remedial Clinic, Dublin.

**Dowding, V.M.** (1984). Council of Europe Priority Medical Fellowship for studies in Norway and Belgium. (Seven fellowships awarded between the fourteen member countries). Report submitted to Council of Europe.

**Dowding, V.M.** (1986). National Maternity Hospital Grant for study of the effects on pregnancy of the influenza epidemic of spring 1986.

**Goldsmith, B.** and Gobel, R. (1984-86). National Board for Science and Technology Research Grant; Endomorphism Rings of Modules over Valuation Domains.

**Hallinan, F.** (1980-1982). Medical Research Council of Ireland Grant-in-Aid for: Characterisation of the Salivary Proteins of Normal Individuals, Cystic Fibrosis Patients and their Parent by Electrophoretic Techniques.

**Hallinan, F.** (1981-1984). National Board for Science and Technology Research Grant for: Production of Monoclonal Antibodies and their Application in the Analysis of Soluble and Cellular Antigens, in collaboration with Reen, D. (Children's Research Centre), O'Kennedy, R. and Ward, O. (National Institute of Higher Education, Dublin).

**Hallinan, F.** (1982- onwards). Irish Heart Foundation Award for: Production of Monoclonal Antibodies against the Apoproteins of Human Plasma Lipoproteins, in collaboration with O'Kennedy, R. (National Institute for Higher Education, Dublin).

- Hallinan, F.** (1983-1986). Medical Research Council of Ireland Grant-in Aid for: An Investigation of the Clinical Utility of Certain New Techniques for the Electrophoresis and Detection of Proteins in Polyacrylamide Gels.
- Hallinan, F.** (1983). Medical Research Council of Ireland Summer Studentship for: Development of Novel Applications of Electrophoretic Blotting to Protein Analysis. July and August.
- Hallinan, F.** (1984-1986). Cystic Fibrosis Association of Ireland Grant for: A Comparison of the Properties of Epithelial Cells of CF and Non CF Genotypes.
- Hallinan, F.** (1984-1986). National Board for Science and Technology, Biotechnology Strategic Research Grant for: Analysis of the Humoral Immune Response to Mycobacterium Bovis Antigens in Bovine tuberculosis.
- Hallinan, F.** (1985 - onwards). EEC Science and Technology for Development Grant for; Development of Monoclonal Antibody Based Assay Systems for the Serological Diagnosis of Tuberculosis and their Evaluation in a Clinical Laboratory in Lesotho.
- Hallinan, F.** (1985 - onwards). Department of Agriculture Grant for: Development of Monoclonal Antibody Based Assay System for the Serological Diagnosis of Bovine Tuberculosis.
- Hallinan, F.** (1985 - onwards). Children's Research Centre Grant for: Analysis of the Environment and Expression of the  $\alpha$ -1 Antitrypsin Gene in Relation to Liver Disease in  $\alpha$ -1 Antitrypsin Deficiency.
- Hallinan, F.** (1986 - 1987). Irish Cancer Society Grant for: Analysis of the Incidence of a Novel Antithrombin III Mutant (AT Dublin) in Patients with Malignancy.
- Heffernan, D.M.** (1985). Research Grant from the National Board for Science and Technology; Bistability by induced waveguiding in wide stripe geometry semiconductor diode lasers.
- Hussey, M.** (1980-83). Research Grant from the National Board for Science and Technology. Use of ultrasound to characterise meat quality in vitro and in vivo.
- Hussey, M.** (1981-84). Research Grant from the National Board for Science and Technology; Construction and evaluation of a system for real-time display of body surface potentials on a T.V. monitor.
- Hussey, M.** (1981-85). Research Contract from the Commission of the European Communities; Synergistic effects on noise combined with vibration, infrasound and ultrasound on physiological state and psychological performance. Held jointly with T.P. Grennan, (DIT), I.A. Kinsella (DIT), C. O'Boyle (Irish Foundation for Human Development) and C. O'Dovovan (National Rehabilitation Board).
- Hussey, M.** (1984). Senior Travelling Fellowship from the Royal Irish Academy, for travel to conferences and hospital departments in U.S.A.

**Hussey, M.** (1984-86). Research Contract from the National Board for Science and Technology; Development of an instrument for objectively characterising the performance of medical diagnostic ultrasound scanners.

**Hussey, M.** (1985). Council of Europe Medical Fellowship to visit teaching centres in Holland and West Germany.

**Kavanagh, P.F.** (1986). Research Grant from The National Board for Science and Technology/Tara Mines; to Develop and Improve Process Control in the Mining Industry.

**Keating, M.** (1984). Research Grant funded by IDA (Ireland) and the Richardson-Vicks Corporation; Identification and investigation of suitable anticrystallising agents for hard candies.

**Keating, M.** (1986). DIT Research Grant; Production of a suitable starch base for maltodextrin manufacture.

**MacDaeid, D.** (1984-86). Funding from Metal Research Ltd., Dublin. Recovery of silver from used hospital fixer.

**Moloney, M.** (1985). Consultant Dietitian to Kilkenny Health Project.

**Moloney, M.** (1985). Council of Europe Medical Fellowship; Role and training of the Dietitian in Denmark and the United Kingdom.

**Moloney, M.** (1985). Cow and Gate Nutrition Award 1986; for writings in relation to Nutrition and Dietetics.

**Malone, J.F. and Mothersill C.** (1980-84). Commission of the European Communities Research Grant, Radiation Protection Programme Contract; to study radiation effects in cultured thyroid cells.

**Mothersill, C.** and Seymour, C.B. (1982-86). Saint Luke's Hospital Cancer Research Fund Grant; to study effects of radiation on mammalian cells in culture.

**Mothersill, C.** and Seymour, C.B. (Saint Luke's Hospital), Moriarty, M. (Saint Luke's Hospital) and Tipton, K. (Department of Biochemistry, TCD) (1985-89). Commission of the European Communities Research Grant, Radiation Protection Programme Contract; to study mechanisms of transformation by radiation in mammalian cells in culture.

**Mothersill, C.,** Seymour, C.B. (Saint Luke's Hospital), and Tipton K. (Department of Biochemistry, TCD) (1985-89). Commission of the European Communities Research Grant, Radiation Protection Programme Contract; to study interaction of radiation and environmental chemicals in human cells *in vitro*.

**Mothersill, C.** and Malone, J.F. (Saint James's Hospital) (1985-89). Commission of the European Communities Research Grant, Radiation Protection Programme Contract; to study radiation carcinogenesis in cultured thyroid cells.

**Mothersill, C.** and Seymour, C.B. (Saint Luke's Hospital) (1986-89). N.D.C. Contract; to study a novel method for the production of pharmaceuticals from human cultured cells.

**Murphy, A.** (1986). Council of Europe Bourse d'Etudes; to study French Vocational Training/Education.

**O'Hare, A.** (1984). NBST (Ireland)/CNRS (France) and French Government Cultural Service Fellowship; to undertake research on 565 MBit/s Optical Communications Link at CNET, Lannion, France.

**O'Hare, A** (1985). NBST (Ireland)/CNRS (France) Fellowship; to undertake research on 40 km 1.7 GBit/s Optical Communications Link at CNET. Lannion, France.

**Reilly, M.** (1983-1985). Lecturer, Medical Laboratory Training Programme, Lesotho; Ireland/Lesotho Bi-lateral Aid Development Programme.

**Russell, N.R.** (1986). Research Grant from DIT Research Committee; Preparation of layer-channel type complexes and investigation of their properties as host materials for SO<sub>2</sub> and NO<sub>2</sub> in the atmosphere.

Sidebottom, H.W. and **Treacy, J.J.** (1983). Research Grant from the Commission of the European Communities; the determination of possible atmospheric removal pathways for sulphur containing compounds.

**Vaughan, J.** (Sept. 1982 - Sept. 1986). Director, Medical Laboratory Training Programme, Lesotho; Ireland/Lesotho Bi-lateral Aid Development Programme.

## STAFF PUBLICATIONS

1st January 1982 – 31st December 1986

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**Bertz, S.** (1985-1986). Translation of three articles from Current Studies in Anti-Semitism : A Handbook for the Zentrum Für Antisemitismusforschung at the Technische Universität, Berlin.

**Brennan, F.M.** and **Taaffe, J.K.** (1982). A Case for Academic Staff Development in Irish Third-Level Technological Institutes, Higher Technological Education in Ireland, 1, 127.

**Broderick, M., Albertini, C.** and Nolan M. (1986). Terminology; Chapter in Eurotra Manual for Machine Translation; EEC Publications.

**Browne, B.** and Miller J. (T.C.D.) (1982). Numerical analysis of semiconductor devices and integrated circuits. MS. Boole Press.

**Carey, D.** and **McEvelly, U.** (1986). A review of the Bread and Flour Confectionary Industry in Ireland. National Board for Science and Technology.

**Cassidy, J.F.** Pons S., Hinman, A.S., and Speiser, B. (1984). Simulation of Edge Effects in Electroanalytical Experiments by Orthogonal Collocation Part 4; Applications to Voltammetric Experiments. Can.J. Chem 62, 716-720.

Hinman, A.S., Pons, S. **Cassidy, J.F.** (1985). Voltammetry and Coulometry with Immersed Thin Layer Electrodes 1 : Model for Effects of Solution Resistivity in Linear Sweep Voltammetry. Electrochim Acta. 30, 89-94.

Hinman, A.S., Pons, S. **Cassidy, J.F.** (1985). Voltammetry and Coulometry with immersed Thin Layer Electrodes 2; Practical Considerations and Experimental Results. Electrochim Acta 30, 95-99.

**Cassidy, J.F.,** Khoo, S.B., Pons, S. and Fleischmann, M. (1985). Electro-chemistry at Very High Potentials: The Use of Ultramicroelectrodes in the Anodic Oxidation of Short Chain Alkanes". J. Phys. Chem. 89, 3933-3935.

**Cassidy, J.F.,** Ghoroghchian, J., Sarfarazi, F., Pons, S. (1985). Simulation of Edge Effects in Electroanalytical Experiments by Orthogonal Collocation Part 5; Chronoamperometry at Ultramicroelectrode Ensembles. Can. J.Chem. 63, 3577-3581.

**Cassidy, J.F.,** Ghoroghchian, J., Sarfarazi, F., Smith, J., Pons, S. (1986). Simulation of Edge Effects in Electroanalytical Experiments Part 6; Cyclic Voltammetry at Ultramicroelectrode Ensembles. Electrochim. Acta. 31, 629-636.

**Cassidy, J.F.,** Pons, S., Janata, J. (1986). Hydrogen Response of Palladium Coated – Suspended Gate Field Effect Transistors. Anal. Chem., 58, 1757-1761.

- Davison, D.H.** (1982). Detailed Survey of Henrietta Street; Irish Georgian Society and Dublin Corporation.
- Davison, D.H.** (1982). Contributions to The Architecture of Ireland. MS by Craig, M. Batsford.
- Davison, D.H.** (1982). Urbana. A study of Dublin. An Taisce and the Heritage Trust.
- Davison, D.H.** (1982). Glin Castle. Image Magazine. June.
- Cornforth, J. and **Davison, D.H.** (1982). Glenveagh Castle, Co. Donegal. Country Life. June.
- McPartland, E. and **Davison, D.H.** (1982). Rathfarnham Castle. Co. Dublin. Country Life. September.
- O'Brien E. and **Davison, D.H.** (1983). The Royal College of Surgeons in Ireland, Irish Heritage Series, Eason/Jarrod.
- Davison, D.H.** (1983). Clonalis House, Castlereagh. Image Magazine. March.
- Davison, D.H.** (1983). Charles Brooking, The City of Dublin 1728; Irish Architectural Archive.
- Bowe, N.G. and **Davison, D.H.** (1983). Harry Clarke, His Graphic Work. MS The Dolmen Press.
- Davison, D.H.** (1983). Architectural and Industrial Photography; Construction Magazine. April.
- O'Brien, E. et al with photography by **Davison, D.H.** (1984). A Portrait of Irish Medicine. MS. The Bi-Centennial Publication of the Royal College of Surgeons in Ireland.
- Davison, D.H.** (1985). Mary, Countess of Rosse. Image Magazine. June.
- Davison, D.H.** (1985). Photography in the Garden; The Gardener's Diary, Boethius Press.
- McPartland, E. with photography by **Davison, D.H.** (1985). James Gandon, Vitruvius Hibernicus. MS. Zwemmer, London.
- McPartland, E. with photography by **Davison, D.H.** (1985). The Royal Hospital Kilmmainham; Country Life. May.
- Cornforth, J. and **Davison, D.H.** (1985). Newbridge House, Co. Dublin. Country Life. July.
- Davison, D.H.** (1986). Survey of the Completed Restoration of the Royal Hospital, Kilmmainham; Irish Georgian Society/Board of Works.



**Davison, D.H.** and Nelson E.C. (1986). Buxus Camera, Augustin Henry; Moorea, Vol. 5. February.

**Davison, D.H.** (1986). The Chester Beatty Coronation Shah Namah of Shah Abbas. Limited edition by P.D.I. Oriental Publications.

O'Brien, E. with photography by **Davison, D.H.** (1986). The Beckett Country. MS. The Black Cat Press/Faber and Faber.

Cornforth, J. and **Davison, D.H.** (1986). Fota, Co. Cork. Country Life. July.

Nelson, E.C. and **Davison, D.H.** (1986). History of the National Botanic Gardens.

Cornforth, J. and **Davison, D.H.** (1986). The Casino, Marino. Country Life. March.

Massingberd, H.M. and **Davison, D.H.** (1986). Clonalis and the O'Connors; The Field. April.

Massingberd, H.M. and **Davison, D.H.** (1986). Castle Leslie; The Field. May.

Massingberd, H.M. and **Davison, D.H.** (1986). Carriglass, Co. Longford; The Field. June.

Massingberd, H.M. and **Davison, D.H.** (1986). Blessingbourne; The Field. July.

**Davison, D.H.** (1986). The Restoration of the Dining Hall, Trinity College, Dublin; Irish Arts Review. Spring.

O'Brien, E. and **Davison, D.H.** (1986). Zone of Stones; Samuel Beckett's Dublin. An audio-visual publication.

**Davison, D.H.** (1986). New Departures; Carrolls Industries Plc. An audio-visual publication.

**Davison, P.A.** (1985). Inter-relationships between British drivers' visual abilities, age and road accidents; Ophthal. Physiol. Opt. 5 (2) 195-204.

**Davison, P.A.** (1986). Examining the eyes of VDU operators; Radharc 29 (6) 13-14.

**Davison, P.A.** (1986). Vision and commercial vehicle (HGV and PSV) drivers; Newsletter no. 18, page 1-4, Department of Labour Occupational Health Services.

**Dowding, V.M.** (1982). Distributions of birth weight in seven Dublin maternity units. British Medical Journal. 284: 1961-4.

**Dowding, V.M.** (1982). Distribution of birth weight (letter). British Medical Journal. 285: 438.

**Dowding, V.M.**, Duignan N.M., Henry G.R., MacDonald D.W. (1984). Dublin births; variation in numbers and outcome by day of the week. IXth European Congress of Perinatal Medicine, 2-5 Sept. Dublin. Conference abstracts Eds. Clinch J. Matthews I.G.

- Dowding, V.M.** Duignan N.M., Henry G.R., MacDonald D.W., (1986). Obstetrics: Monday to Sunday. Abstract of paper presented at the Clinical Meeting: Irish Perinatal Society, 21-22 March. Belfast. In press Irish Journal of Medical Science.
- Dowding, V.M.** Barry O.,(1986). Cerebral Palsy in the Eastern Health Board area. Abstract of paper presented at Annual Clinical Meeting, Irish Paediatric Association. 16-17/May. Galway. In press, Irish Journal of Medical Science.
- Dowding, V.M.** Duignan, N.M., Henry, G.R., MacDonald, D.W. Induction of labour, birthweight and perinatal mortality by day of the week; in press, British Journal of Obstetrics and Gynaecology.
- Edwards, J.C.** and Quinn P.J. (1982). The structure of unsaturated lipid dispersions in aqueous systems influences susceptibility of oxidation. *Biochim Biophys Acta*, 710, 502-505.
- Edwards, J.C.** and Quinn, P.J. (1982). Oxidation of unsaturated lipids in aqueous systems depends on the structure of the dispersion. *Biochem Soc Trans*, 10, 22.
- Edwards, J.C.** and Quinn, P.J. (1982). Decomposing peroxychromate produces hydroxyl radical which can peroxidise the unsaturated fatty acids of phospholipid dispersions. *J. Lipid Res*, 23, 994-1000.
- Harris, G., Cramp, W.A., **Edwards, J.C.**, George, A.M., Sabovljev, S.A., Hart, L., Hughes, G.R.V., Danman, A.M. and Yatvin, M.B. (1985). Radiosensitivity of peripheral blood lymphocytes in autoimmune disease. *Int J. Radiat Biol* 47 689-699.
- Edwards, J.C.**, Chapman, D. and Cramp. W.A. (1983). Radiation studies on *Acholeplasma laidlawii*: the role of membrane fatty acid composition. *Int. J. Radiat Biol*, 44, 405-412.
- Cramp, W.A., **Edwards, J.C.**, George, A.M. and Sabovljev, S.A. (1984). Subcellular Lesion: the current position. *Br J Cancer*, 49, Suppl; VI, 7-11 (11th L.H. Gray Meeting, Glasgow, Scotland).
- Edwards, J.C.**, Chapman, D. and Cramp, W.A. (1984). The effects of ionizing radiation on the peroxide contents of a pure polyunsaturated lipid dispersion and of lipids and membranes derived from *Acholeplasma laidlawii*. *Int J Radiat Biol*, 45, 33-44.
- Edwards, J.C.**, Chapman, D., Cramp, W.A. and Yatvin, M.B. (1984). The effects of ionizing radiation on biomembrane structure and function. *Prog Biophys Molec Biol*, 43, 71-93.
- Edwards, J.C.**, George, A.M., Cramp, W.A. and Harris, G. (1984). Post-irradiation changes in cell nuclei. *Int J Radiat Biol*, 45, 541-542 (Winter meeting, Association of Radiation Research, Oxford, UK)
- Feeley, C.M.** and **McGovern, F.** (1986); Microcomputer based Measurement of Bubble Dielectrophoresis; *J.Phys.E;Sci. Instrum.* 19, 923-927.

- Garavaglia, T.** (1982). Neutrino Mass Effects in Neutrino – Electron Elastic Scattering; Ref. 0165, International Conference on High Energy Physics, Paris.
- Garavaglia, T.** (1984). Majorana and Dirac Neutrino Mass Effects; Physical Review D29, 387.
- Garavaglia, T.** and Fujimoto, V. (1984). Phase Diagrams in Scalar Q.E.D.. Physics Letters B, 148B, 220.
- Garavaglia, T.** (1984). Polarized Electron Scattering; Deep Inelastic Scattering; International Journal of Theoretical Physics 23, 251.
- Garavaglia, T.** (1985). Comment on the Dirac Bracket; Physical Review letter 54, 488.
- Goldsmith, B.** (1983). Essentially indecomposable modules over a complete discrete valuation ring; Rend. Sem. Mat., Universita di Padova. 70, 21-29.
- Goldsmith, B.,** Gobel, R. and Dugas, M. (1984). Representation of algebras over complete discrete valuation rings; (with Rudiger Gobel and Manfred Dugas), Quart. J. Math. Oxford (2) 35, 131-146.
- Goldsmith, B.** (1984). An Essentially semi-rigid class of modules; J. London Math. Soc. (2), 29, 415-417.
- Goldsmith, B.** and Franzen, B. (1985). On Endomorphism algebras of Mixed Modules; J. London Math. Soc. (2) 31, 468-472.
- Goldsmith, B.** (1986). On endomorphisms and automorphisms of some torsion-free modules; Proceedings of Oberwolfach Conference on Abelian Groups.
- Goldsmith, B.** (1986). Realizing rings as endomorphism rings – the impact of logic; Bulletin of Irish Mathematical Society 1986.
- Goldsmith, B.** and Gobel, R. (1986). Essentially indecomposable modules which are almost free; in press.
- Goldsmith, B.** and Gobel, R. (1986). Mixed modules in L; in press.
- Goldsmith, B.** and **Dimitric, R.** (1986). On Coslender Modules; in press.
- Hallinan, F.** (1983). Studies of silver staining of human parotid saliva protein polyacrylamide gel electrophoretograms. Electrophoresis 4: 265-269.
- Hallinan, F.** and Tempany, E. (1983). Electrophoretic characterisation of altered  $\alpha$ -1 macroglobulin in cystic fibrosis. CF Club Extracts 23: 29.
- Hallinan, F.** and Tempany, E. (1983). Immunoreactive trypsin levels in young cystic fibrosis patients and in other sick children. Irl. J. Med. Sci. 192: 409-412.
- Daly, M. and **Hallinan, F.** (1984). Analysis of plasma protein variants by IEF/PA and immunoblotting techniques. Biochem. Soc. Transact. 12: 672-673.

- Daly, M. and **Hallinan, F.** (1984). Application of 2D IEF/PA and protein blotting to the analysis of variant forms of  $\alpha$ -1 antichymotrypsin. In *Electrophoresis* (ed. V. Neuhoff) 164-167. Verlag Chemie; Weinheim.
- Dix, I. **Hallinan, F.**, O'Kennedy, R. and Reen, D.J. (1985). Production and characterisation of monoclonal antibodies against mitogen activated lymphocytes. *Biochem. Soc. Transact.* 13, 460-461.
- Breen, D., O'Kennedy, R. and **Hallinan, F.** (1985). Production and characterisation of monoclonal antibodies against human apolipoproteins. *Biochem. Soc. Transact.* 13: 478.
- Daly, M. and **Hallinan, F.** (1985). Analysis of antithrombin III micro-heterogeneity by IEF/P and immunoblotting. *Thrombosis Res.* 40: 207-214.
- Hallinan, F.**, Rose, M., Eagleton, M. and Tempany, E. (1986). Characterisation of human parotid saliva protein fractions isolated by preparative iso-electric focusing. *Electrophoresis.* 7: 333-339.
- Murphy, G., Puri, P., and **Hallinan, F.** (1986). Changes in the relative proportions of the microheterogenous forms of human plasma orosomucoid after surgical trauma. *Biochem. Soc. Transactions.* 14: 475-476.
- Breen, D., O'Kennedy, R. and **Hallinan, F.** (1986). Characterisation of Monoclonal Antibodies against apolipoprotein B. *Biochem. Soc. Transactions* 14: 475-476.
- Murphy, G., Daly, M., O'Meara, A., and **Hallinan, F.**: Purification of human plasma antithrombin III using affinity chromatography and HPLC. In Press. *Biochem. Soc. Transactions.*
- Rose, M. and **Hallinan, F.**: Electrophoretic characterisation of basic proteins of human parotid saliva. In Press. *Electrophoresis.*
- Daly, M., O'Meara, A. and **Hallinan, F.**: Identification and characterisation of a new antithrombin III mutant (AT Dublin) with increased frequency in children with cancer. In Press, *British J. Haematology.*
- Heffernan, D.M.** and Liboff, R.L. (1982). Review of the Fundamental Processes for Matter-Radiation Interaction, *Journal of Quantitative Spectroscopy and Radiative Transfer*, 27, 55.
- Heffernan, D.M.** and Liboff, R.L. (1982). Kinetic Theory for a Short Wavelength Lasing Plasma, *Journal of Plasma Physics*, 27, 3, 473.
- Heffernan, D.M.**, Liboff, R.L. and Yaacobi, B. (1983). Study of a Nuclear Gamma-Ray Laser. *Nuclear Physics A*.
- Heffernan, D.M.** and Liboff, R.L. (1983). Induced Decay of Positronium and Grasers, *International Journal of Theoretical Physics*, 22, 2, 193.

**Heffernan, D.M.** (1983). Single Parameter Characterization of Bistability in Double Contact Injection Lasers, *Physics Letters*, 94A, 2, 106.

**Heffernan, D.M.** (1984). A Model for the Diffuse Celestial Gamma-Ray Spectrum, *Physics Letters*, 101A, 305.

**Heffernan, D.M.** (1984). Long Switching Times in Optical Bistable Systems, *Physics Letters*, 104A, 169.

**Heffernan, D.M.** (1984). Transient Degenerate Four Wave Mixing in Saturable Absorbers, *Physics Letters*, 103A, 286.

**Hussey, M.** (1983) with **Moore, A.** and **Callis, J.**. Review of the modes of interaction between ultrasound and biological tissues and organs and Ultrasound tissue characterization using statistical analysis of the R.F. echo pulses. Two chapters in *Ultrasound in Medicine and Biology - Symposium Proceedings*. Plenum, London.

**Hussey, M.** (1983). *Fundamentals of Mechanical Vibrations*. MS. Macmillans. London.

**Hussey, M.** (1985). *Basic Physics and Technology of Medical Diagnostic Ultrasound*. MS. Macmillans. London.

**Hussey, M.** (1985). Physical Methods in Dental Diagnosis. Chapter in *Encyclopedia of Physics and its Applications*. (J. Thewlis, ed. in chief) Pergamon, Oxford.

**Hussey, M.** (1986). Biomaterials. Chapter in *Basic Medical Physics*, de Gruyter, Berlin. In press.

**Kinsella, I.A.** (1982). Treatment of acute myeloid leukemia using a three-drug regimen: Daunorubicin, Cytisive, Arabinoside and 6 - Thioguanine, jointly with McCann, S.R. et al, *Irish Medical Journal*, Vol 75, no.11.

**Kinsella, I.A.** (1983). Monocytosis: A feature of alcoholic liver disease, with McKeever, U. et al, *The Lancet*, December 24/31.

**Kinsella, I.A.** (1984). Estimating Technique/Method Precisions, *Journal of the Academy of Medical Laboratory Science*, Vol. 6, No. 1.

Boland, F.M. (T.C.D.) and **Lynch, E.R.** (1986). Analysis of the stroboscopic waveform mode in scanning electron microscopy. *Journal of Physics E* (accepted for publication).

**McMahon, R.** (1983). Aspects of Insurance; *Business and Finance*, pp. 41-42, February.

**McMahon, R.** (1984). Communications in Business; *Business and Finance*, pp 24-25, February.

**McMahon, R.** (1984). Reforming CAP - The Super Levy; *Business and Finance*, pp. 51-53, March.

**McMahon, R.** (1984). The Writing of Reports; *Business and Finance*, pp. 50-52, November.

- McMahon, R.** (1985). Privatisation - For and Against; Business and Finance, pp. 33-34, February.
- McMahon, R.** (1986). Channels of Distribution; Business and Finance, pp. 84-85, January.
- Maher, K.P., Malone, J.F.,** Hurley, G.D. and McInerney, D.P., (1982). Computational requirements for digital fluoroscopy - specification of existing systems and their relationship with nuclear medicine image processors. In: O'Moore, R., Barber, B., Reichertz, R.L. and Roger, R., Eds. Lecture Notes in Medical Informatics, Vol. 16 (Springer-Verlag, Berlin), 250-252.
- Robinson A., **Maher, K.P.,** O'Moore, R., Keogh, B. and Weir, D.G., (1982). Hypoparathyroidism and hypocalcaemia during treatment for acute leukemia. British Medical Journal, 284, 1472.
- Maher, K.P.,** (1982). Electrical hazards from anti-static tubing. APSM Bulletin, 2, 2.
- O'Connor, M.K., **Malone, J.F., Maher, K.P.,** Molloy, M., Freyne, P. and Malone, E.W., (1982). Evaluation of a nuclear medicine computer for digital fluoroscopy. In: Bleifeld, W., Harder, D., Leetz, H.K., and Schaldach, M., Eds. Proceedings of the World Congress on Medical Physics and Biomedical Engineering 1982 (M.P.B.E. 1982) eV, Hamburg) 19.32.
- Maher, K.P.,** (1982). Experience with an experimental system for digital fluoroscopy. Radiation Research and Protection Society of Ireland Newsletter, February.
- Maher, K.P.,** (1982). Experience with an experimental digital fluoroscopy system. A.P.S.M. Bulletin, 2,9. (Abstract).
- Hurley, G.D., **Maher, K.P.,** McInerney, D.P., and **Malone, J.F.,** (1983). D.S.A. in the evaluation of extracranial vascular disease. Irish Journal of Medical Science, 152, 321. (Abstract).
- O'Connor, M.K., **Maher, K.P.** and **Malone, J.F.,** (1983). Experimental investigations with a digital fluoroscopy system. Clinical Physics and Physiological Measurement, 4,98. (Abstract).
- Maher, K.P.,** O'Connor, M.K., **Malone, J.F.** and Hurley, G.D., (1983). Logarithmic amplification for quantitative D.S.A. - an untested assumption. Medical Physics, 10, 128. (Abstract).
- Maher, K.P.,** O'Connor, M.K. and **Malone, J.F.,** (1983). Logarithmic amplification in D.S.A. A.P.S.M. Bulletin, 3,15. (Abstract).
- Maher, K.P., Malone, J.F.** and O'Connor, M.K., (1983). Capabilities of digital image processors to produce fluoroscopic difference images. A.P.S.M. Bulletin, 3, 18. (Abstract).
- Murphy, B.J., **Malone, J.F.** and **Maher, K.P.,** (1983). Initial experience with an audiometer calibration service. A.P.S.M. Bulletin, 3, 16. (Abstract).

**Maher, K.P., Malone, J.F.** Hurley, G.D. and McInerney, D.P., (1984). D.S.A. using conventional fluoroscopic equipment, low continuous exposures and an add-on image processor. *Physics in Medicine and Biology*, 29, 169. (Abstract).

O'Connor, M.K., Molloy, M., **Maher, K.** and **Malone, J.F.**, (1984). Digital Fluoroscopy with a conventional fluoroscopic room and a nuclear medicine computer system. *British Journal of Radiology*, 57,553-560.

**Maher, K.P.**, Malone, J. F. and Hurley, G.D., (1985). Image noise and its reduction in digital fluoroscopy. *A.P.S.M. Bulletin*, 5, 30. (Abstract).

**Maher, K.P.**, O'Connor, M.K., Malone, J. F. and Hurley G.D., (1985). A Correction technique for the effects of scattered radiation and veiling glare in quantitative digital subtraction angiography. *A.P.S.M. Bulletin*, 5, 31. (Abstract).

Malone, J. F., O'Connor, M.K. and **Maher, K.P.**, (1985). Assessment of uniformity and signal-to-noise ratio in radiological image intensifier tv systems. *British Journal of Radiology Supplement No. 18*, 39-41.

**Maher, K.P.**, O'Connor, M.K. and Malone, J. F. (1985). Densitometric analysis in digital subtraction angiography. *Medical and Biological Engineering and Computing*, Vol. 23 Supplement, 1534-1535.

McInerney, D., **Maher, K.P.**, Bouchier-Hayes, D. and Walsh, A., (1986). A clinical study of intra-arterial subtraction angiography in severe peripheral vascular disease. *British Journal of Radiology*, 59, 802. (Abstract).

**Maher, K.P.**, Malone, J. F. Hurley, G.D. and McInerney, D.P., (1986). Evaluation of the processing functions of digital subtraction angiography image processors. *British Journal of Radiology*, 59, 835. (Abstract).

**Maher, K.P.** and Malone, J.F. Digital Fluoroscopy : a new development in medical imaging. Accepted for publication in *Contemporary Physics*.

Malone J.F., **Maher, K.P.**, and O'Connor, M.K. Quantitative digital radiography using densitometric and dual-energy techniques. Accepted for publication by HPA.

**Mathias, P.M.** (1982). The Effect of Zinc Supplementation on Plasma Levels of Vitamin A and Retinol-Binding Protein (RBP) in Children Recovering from Protein-Energy Malnutrition (PEM). *Proc. Nutr. Soc.*, 41, 52A.

**Mathias, P.M.** and Jackson, A.A. (1982). Selenium Deficiency in Kwashiorkor. *Lancet* 1, 1312-1313.

**Mathias, P.M** (1982). Vitamin E Status of Children Recovering from Severe Malnutrition. *Proc. Nutr. Soc.*, 41, 143A.

**Mathias, P.M.** (1983). Factors Influencing Plasma Levels of Retinol-Binding Protein During the Early Phase of Recovery of children with Severe Malnutrition. *Proc. Nutr. Soc.*, 42: 10A.

- Mathias, P.M.** Hamilton, D., Simmons, W.K., and Harland, P.S.E.G. (1983). Vitamin A Studies in the Maya Indian Population of Belize. *Proc. Nutr. Soc.*, 42: 9A.
- Kennedy, M.**, McCormack, M., **Ryan, B.A.** and **Mathias, P.M.** (1984). Assessment of Nutritional Status of College Students in the Dublin Area. *Proc. Nutr. Soc.*, 43: 88A.
- Mathias, P.M.**, **Kennedy, M.**, McCormack, M. and **Ryan, B.A.** (1985). Vitamin E Status of College Students in Dublin. *Irish J. Med. Sci.*, 154: 163-164.
- Kennedy, M.**, McCormack, M., **Ryan, B.A.** and **Mathias, P.M.** (1985). Nutritional Status of College Students in Dublin – Anthropometric, Dietary and Biochemical Parameters. *Irish J. Med. Sci.*, 154: 167.
- Mathias, P.M.** (1985). Vitamin E Studies in the Maya Indians of Belize. XIII International Congress of Nutrition, Brighton, August, 1985.
- Moloney, M.** (1983). Diet and the Athlete : The Irish Runner. March.
- Moloney, M.** (1983). Getting the balance right after smoking. Irish Cancer Society.
- Moloney, M.** (1983). Nutrition in the Senior Citizen I and II. HEB News, No. 1.
- Moloney, M.** Moriarty, J.J., Delaney, T. (1983): Controlled studies of Nutritional intake in Patients undergoing Radiotherapy; *Human Nutrition: Applied Nutrition*. February.
- Moloney, M.** (1984). Assessment of the Nutritional Status of BLE Athletes.
- Muldowney, P., **Moloney, M.** Keaveney, J. (1984). The Importance of Dietary Sodium in the Hypercaric Syndrome. *Kidney*. January.
- Mothersill, C.**, Seymour, C. and **Malone, J.F.** (1982). Long-term culture of sheep throid. FEBS Meeting on Cell Differentiation, Athens.
- Mothersill, C.**, Seymour, C., Moriarty, M. and **Malone, J.F.** (1983). Radiation induced transformation in sheep throid cells in culture. *IR. J. Med. Sci. Abstract*.
- Mothersill, C.**, Seymmour, C., Moriarty, M. and **Malone, J.F.** (1983). The Detection of transformation in cultures of irradiated throid cells. *Int. J. Rad. Biol*, 44, 109.
- Mothersill, C.**, Seymour, C. and **Malone, J.F.** (1984). Maintenance of differentiated sheep throid cells in primary culture for three months. *Acta Endocrinol.*, 107, 54-59.
- Murphy, A.**, **Mothersill, C.**, O'Connor, M.K., **Malone, J.F.**, Cullen, M. J. and **Taaffe, J.K.** (1983). An investigation of the optimum conditions for a differentiated culture of sheep throid cells. *Acta Endocrinologica*, 104, 431-436.
- Mothersill, C.**, Seymour, C.B., Moriarty, M. and **Malone, J.F.** (1983). The development of a system for the assay of radiation induced transformation in differentiated thyroid cultures. Presented at 7th Int. Congress of Radiation Research, Amsterdam, July 1983, Session C5, No. 09.



- Mothersill C.**, Seymour, C.B. and Moriarty, M. (1982). Effect of interference with glycolytic energy metabolism on the transformation frequency of C3H 10T1/2 mouse embryo cells. Proceedings of ARR Winter Meeting (Manchester).
- Seymour, C.B., **Mothersill, C.** and Moriarty, M. (1982). Effect of interference with glycolytic energy metabolism on the survival of irradiated CHO-K1 cells. Proceedings of ARR Winter Meeting (Manchester).
- Mothersill, C.**, Seymour, C.B. and Moriarty, M. (1983). Lactate-mediated changes in growth morphology and transformation frequency of C3H 10T1/2 cells. *Cell Biol. Int. Rept.*, 7(11), 971-980.
- Mothersill, C.** (1983). Clonal regeneration techniques applied to the thyroid. In: 'Clonal Regeneration Techniques', Ed: Potten, C. and Hendry, J.H. Churchill-Livingstone.
- Mothersill, C.** and Seymour, C.B. (1984). Development of transformed characteristics by sheep throid cells irradiated as differentiated primary cultures. *Cell Biol. Int. Repts.*, 8 (10), 887-896.
- Mothersill, C.** and Seymour, C.B., Moriarty, M.J., **Malone, J.F.**, Johnson, A. and Collins, P. (1984). Further studies on the transformation of thyroid cultures by gamma irradiation and by 131 Iodine. *Int. J. Rad. Biol. Abstract*.
- Seymour, C. and **Mothersill, C.** (1984). Survival of subcultured 'survivors' from clonogenic radiation survival curves. *Int. J. Rad. Biol. Abstract*.
- Mothersill, C.**, Seymour, C.B., Corbally, N. and Malone, J.F. (1984). Effect of irradiation on the survival and transformation of differentiated throid cells in culture. Paper presented at European Radiation Biology Society Meeting, Zurich (September).
- McCann, A.**, Seymour, C.B., **Mothersill, C.**, Long, A., Moriarty, M. and O'Donoghue, D. (1984). Colonic cell culture. *Ir. J. Med. Sci.*
- Mothersill, C.** and Seymour, C.B. (1984). Development of transformed characteristics by sheep thyroid cells irradiated as differentiated primary cultures. *Cell Biol. Int. Repts.* 8 (10), 887.
- Mothersill, C.**, Seymour, C.B., Byrne, P., Hennessy, T.P.J. and Moriarty, M. (1984). Culture of normal and tumour cells from human oesophageal mucosa. *Ir. J. Med. Sci. Abstr.*
- Mulgrew, S., **Mothersill, C.**, Seymour, C. and Moriarty, M. (1984). Are clonogenic cell survival assays possible with some primary cells. *Proc. Irish Association for Cancer Research Meeting (Galway)*.
- Seymour, C., **Mothersill, C.**, Johnson, A., Collins, P. and Moriarty, M. (1984). Radiation transformation in primary throid cultures. *Proc. 3rd. Int. Cell Biology Congress (Tokyo)*.

- Mothersill, C.,** Seymour, C.B., Corbally, N. and Malone, J.F. (1984). Effect of irradiation on the survival and transformation of differentiated throid cells in culture. Proc. of Europ. Radiation Biology Society Meeting, Zurich, September.
- Mothersill, C.,** and Seymour, C.B., (1985). Radiation transformation in primary human throid cells. Proc. of the Association for Radiation Research Spring Meeting, Brighton, April.
- Seymour, C.B. and **Mothersill, C.** (1985). Development of a technique for the assay of radiation induced transformation in primary cultures of the throid. Proc. of EEC Workshop on Cell Transformation in Radiobiology, September.
- Mothersill, C.,** Seymour, C.B., **Malone, J.F.** and Cullen, M.J. (1985). Long-term culture of differentiated human throid tissue. Acta Endocrinol., 108 (2), 192-199.
- Seymour, C.B. and **Mothersill, C.** (1985). Survival of survivors from clonogenic survival curves. Proc. European Society for Radiation Biology, Prague. September.
- Seymour, C.B., **Mothersill, C.** and Moriarty, M. (1985). Glucose analogues alter the response of CHO-K1 cells to gamma irradiation. Acta Radiologica Oncology, 24, Fasc. 4, 3510336.
- Mothersill, C.,** Seymour, C.B., Malone, J.F., Moriarty, M.J., Byrne, P. and Hennessy, T.P.J. (1986). Radiation transformation in differentiated human cells in culture. Brit. J. Cancer, 53, Suppl. VII, 251-2.
- Seymour, C.B. and **Mothersill, C.** (1986). Effect of glycolysis inhibitors on the radiation response of CHO-K1 cells. Radiat. & Environ. Biophys.
- Mothersill, C.,** Moriarty, M. and Seymour, C. (1986). Radiation transformation in differentiated human cells in culture. Leukemia Research, 10 (7), 741.
- Mothersill, C.,** and Seymour, C.B. (1986). Quantification of radiation transformation frequencies. Cancer Letters.
- Mothersill, C.,** Seymour, C.B., Byrne, P.J. and Hennessy, T.P. (1986). Radiation response of human oesophageal cells in vitro. British Journal of Cancer.
- Seymour, C.B., **Mothersill, C.,** Michael, B. and Alper, T. (1986). Further studies on the plating efficiency of cells in post irradiation 'survivor' colonies. Proc. of Association for Radiation Research Spring Meeting, Oxford, April.
- Mothersill, C.,** Seymour, C., Moriarty, M. **McCann, A.,** Afdhal, N., O'Donoghue, D. and Hennessy, T.P. (1986). Radiation response of cultured human oesophageal and colonic mucosa. Proc. of Association for Radiation Research Spring Meeting, Oxford, April.
- Mothersill, C.,** Seymour C.B. and Moriarty, M. (1986). Alteration towards transformation in human throid epithelial cells in culture. European J. Cancer Abstract.

Seymour, C.B., **Mothersill, C.** and Alper, Tikvah. (1986). High yields of lethal mutations in somatic mammalian cells that survive ionizing radiation. *Int. J. Radiat. Biol.*, 50 (1), 167-179.

**Mothersill, C.**, Moriarty, M.J. and Seymour, C.B. (1986). Radiobiologic response of CHO-K1 cells treated with Vitamin A. *Acta Radiologica Oncology* 25 (in press).

Seymour, C.B., **Mothersill, C.** Moriarty, M.J. and Tipton, K.F. (1986). The effect of ethanol on the radiation response of CHO-K1 cells. *Brit. J. Radiology* (in press).

**Mothersill, C.** and Seymour, C. (1986). The influence of lethal mutations on the quantification of radiation transformation frequencies. *Int. J. Radiat. Biol.* (in press).

Smith, L., **Mothersill, C.** and Seymour, C. (1986). The role of lactate in thyroid cell differentiation in Vitro. *Biochemical Society Transactions*.

Seymour, C.B. and **Mothersill, C.** (1986). Radiation induced transformation in primary differentiated thyroid cultures. In: 'Radiation Carcinogenesis and DNA Alternations'. (Eds: F.J. Burns, A.C. Upton and G. Silini). Plenum Press.

**Mothersill, C.** and Seymour, C.B. (1986). Effect of lactate on the recovery of CHO-K1 cells from gamma radiation damage. *Acta Radiol. Oncol.*, 25, Fasc. 1, 71-76

Coughlan, B. and **O'Donoghue, E.** (1983). The Effect of Co-Cations and Carboniogenic activity in Zeolites; *Chemistry and Industry* (5), 207-8.

Clarke, J.K.A., **O'Donoghue, E.** et al (1986). Free radicals in dimethyl ether on H-ZSM-5; *Chem. Comm.* 425-6.

**O'Dowd, R.F., O'Hare, A., Cooke, J., and Taaffe, J.K.** (1982). Laser System and Data Analysis Techniques for Absorbing and Non-absorbing Excited Transients: *J. Phys. E: Scientific Instruments* 15.

**O'Hare, A.T.,** Carenco, A., Gugliemi, R., Riviere, L., Sorel, Y., Claveau, G., (1985): 565 MBit/s transmission experiment at 1.5µm using external Ti:LiNBO modulators *Proceedings EFOC/LAN, Montreux, 1985.* pp 91-96

**O'Shea, B.** (1986). A case-control study of the dietary intake of Renal Stone patients; (with Griffith et al). *Paper 1, Urological Research* 14 (1986), 67-74.

**O'Shea, B.** (1986). A case-control study of the dietary intake of Renal Stone patients; (with Griffith et al). *Paper 2. Urological Research* 14 (1986), 75-82.

**O'Sullivan, B.A. and Tomlin, B.** (1985). Innovation in Established Irish Industry. *Irish Journal of Administrative Research*, April.

**O'Sullivan, B.A. and Cogan, D.J.** (1986). Towards a Technology Policy for Ireland. *NBST*.

- O'Sullivan, B.A.** and Cogan, D.J. (1986). Utilization of the Results of Government Performed Research and Development in Ireland EEC DG XIII Symposium, Luxembourg.
- O'Sullivan, B.A.** and Corti, E. (1986). Technology Transfer between Scottish and Italian Companies. EEC DG XIII. Luxembourg.
- Rothery, E.J.** (1984). Chemical Education in Ireland 1920-1980. *Chemistry in Action*, 18, 13.
- Kennedy, M., McCormack, M., Ryan, B.A.** and **Mathias, P.M.** (1984). Assessment of Nutritional Status of College Students in the Dublin area. *Proc. Nutr. Soc.* 43: 88A
- Mathias, P.M., Kennedy, M., McCormack, M.** and **Ryan, B.A.** (1985). Vitamin E Status of College Students in Dublin. *Irish J. Med. Sci.*, 154: 163-164.
- Kennedy, M., McCormack, M., Ryan, B.A.** and **Mathias, P.M.** (1985). Nutritional Status of College Students in Dublin – Anthropometric, Dietary and Biochemical Parameters. *Irish J. Med. Sci.*, 154:167.
- Scott, T.G., Smyth, C.J., Keane, C.T.** In Vitro adhesiveness and biotype of *Gardnerella vaginalis* in relation to the occurrence of clue cells. *Genitourinary Medicine*. In press.
- Scott, T.G., Smyth, C.J.** Studies on a haemagglutinin and tissue culture adhesion of *Gardnerella vaginalis*. *Journal of General Microbiology*. In press.
- Brennan, F.M.** and **Taaffe, J.K.** (1982). A Case for Academic staff Development in Irish Third-Level Technological Institutes. *Higher Technological Education in Ireland*, 1, 127.
- O'Dowd, R.F., O'Hare, A., Cooke, J.,** and **Taaffe, J.K.** (1982). Laser System and Data Analysis Techniques for Absorbing and Non-absorbing Excited Transients: *J. Phys. E: Scientific Instruments* 15.
- Murphy, A., Mothersill, C., O'Connor, M.K., Malone, J.F., Cullen, M.J.** and **Taaffe, J.K.** (1983). An investigation of the optimum conditions for a differentiated culture of sheep thyroid cells. *Acta Endocrinologica*, 104, 431-436.
- Taaffe, J.K.** (1986). Applied Sciences and Health Sciences in DIT, Kevin Street; A long tradition behind serving today's needs. *Education Vol. No.6* 32-36.
- Sidebottom, H.W. and **Treacy, J.J.** H.W. (1984). Reaction of Methyle Radicals with Haloalkanes; *Int. J. Chem. Kinet* 16, 579.
- Rice, J.R., **Treacy, J.J.** and Sidebottom, H.W. (1984). Reactions of Trichloromethyle Radicals with Organosilicon Compounds; *Int. J. Chem. Kinet*. 16, 1505.
- Treacy, J.J., Nelson, L.** and Sidebottom, H.W. (1985). Hydroxyl Radical Reactions with Sulphur Containing Compounds, Meeting of working party 2 of COST 611, Cologne.

Nielsen, O.J., Pagsberg, P., **Treacy, J.J.**, Nelson, L. and Sidebottom, H.W. (1986). Photo-oxidation of Sulphur Containing Compounds; Fourth European Symposium on the Physico-Chemical Behaviour of atmospheric pollutants, Stresa, Italy.

**Treacy, J.J.**, Harris, G.W. and Pitts, J.N. Direct Spectroscopic Observations of HONO in Samplet Auto Exhaust, in press, Environ. Sci. Technol.

**Treacy, J.J.**, Harris, G.W. and Pitts, J.N. Kinet. Observations of near-ambient levels of HONO in an environmental chamber; Implications for radical formation mechanisms. In press, Int.J.Chem. Kinet.

**Woods, B.P.** (1983). The Design and Development of an Instructional Strategy. Proc. IX International Conference on Improving University Teaching. NIHE. Dublin.

**Woods, B.P.** (1984). An Approach to Learning: Problem Solving in Practical Exercise Class. Proc. ETIC '84. Bradford, England.

**Younger, K.M.** and Trayhurn, P. (1983). The effect of a simple over-feeding regimen on energy balance in mice kept at different environmental temperatures. Int. J. Obesity, 7: 94-95.

**Younger, K.M.** and Trayhurn, P. (1984). The effects of over-feeding and environmental temperature on energy balance and brown adipose tissue thermogenesis in mice. Irish J. Med. Sci., 153: 409.

**Younger, K.M.** and Trayhurn, P. (1985). A relationship between epididymal fat pad weight and body energy content in mice. Irish Med. Sci. 154: 166-167.

**Younger, K.M.**, Corcoran, E., Coakley, D., Keeling, P.W.N. (1985). The effect of ageing on tissue zinc status in healthy women. Irish J. Food Sci. Technol. (in press).

Corcoran, E. **Younger, K.M.**, Coakley, D., Henry, M. and Keeling, P.W.N. (1985). Tissue zinc status in patients with chronic varicose ulcers. Irish J. Food Sci. Technol. (in press).

Barry, M., O'Reilly, T., MacMathuna, P., Duenas-Laita, A. **Younger, K.M.**, Keeling, P.W.N., Feely, J. Zinc and oxidative metabolism in man. Irish J. Med. Sci. (in press).

**Younger, K.M.**, Corcoran, E., Coakley, D., Henry, M. and Keeling, P.W.N. (1986). Cell zinc status in healthy women aged from 20 - 95 years. Irish J. Med. Sci. (in press).

## STAFF EXHIBITIONS

1st January 1982 – 31st December 1986

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- Davison, D.H.** (1982). The Work of the Heritage Trust; Shown Dublin and Belfast.
- Davison, D.H.** (1982). Work featured in "Out of the Shadows"; An Arts Council Exhibition of Contemporary Irish Photography shown in Dublin, Cork and Belfast.
- Davison, D.H.** (1983). Out of the Shadows; Touring major centres in the U.S.A.
- Davison, D.H.** (1984). The Story of Writing; The Castlebar Exhibition Centre and the Chester Beatty Library.
- Davison, D.H.** (1985). Flights of Angels; The Chester Beatty Library, Dublin.
- Davison, D.H., White, G., Taaffe, J.K.** and Farrell, M.P. (DIT Bolton St.) (1985). Impressions of an Irish Countess; Birr Castle Exhibition Centre, May – September.
- Davison, D.H., White, G., Taaffe, J.K.** and Farrell, M.P. (DIT Bolton St.) (1985). Impressions of an Irish Countess; Gleeson Hall, DIT Kevin Street, Dublin. October.
- Davison, D.H., White, G., Taaffe, J.K.** and Farrell, M.P. (DIT Bolton St.) (1985). Impressions of an Irish Countess; National Museum of Photography, Film and Television, Bradford, England. November '85 – January '86.
- Davison, D.H., White, G., Taaffe, J.K.** and Farrell, M.P. (DIT Bolton St.) (1986). Impressions of an Irish Countess; The Fox Talbot Museum, Lacock, England. April – June.
- Davison, D.H.** O'Brien, E. and Knowlson, J. (1986). The Beckett Country; University of Reading, England. May.
- Davison, D.H., White, G., Taaffe, J.K.** and Farrell, M.P. (DIT Bolton St.) (1986). Impressions of an Irish Countess; The Ulster Museum, Belfast. June – September.
- Davison, D.H.,** O'Brien, E. and Knowlson, J. (1986). The Beckett Country; Sterling University, Scotland, July.
- Davison, D.H., White, G., Taaffe, J.K.** and Farrell, M.P. (DIT Bolton St.) (1986). The Photographs of Mary Countess of Rosse; Studio Du Mont, Photokina, Köln, Germany. September.
- Davison, D.H.,** O'Brien, E. and Knowlson, J. (1986). The Beckett Country; Trinity College, Dublin. September.
- Davison, D.H.,** O'Brien, E. and Knowlson, J. (1986). The Beckett Country; The National Theatre, London. October '86 – January '87.
- Toal, V., Hickey, D.C.** and **Hayes, D.** (1985). Holographic Exhibition; First Irish Exhibition highlighting the uses of Holography in Engineering and Medicine as well as for three-dimensional display. Gleeson Hall, DIT Kevin Street, Dublin 8. October – November.
- Toal, V., Hickey, D.C.** and **Hayes, D.** (1986). Holographic Exhibition; Second showing at the invitation of Aer Lingus for the Young Scientists of the Year Exhibition, Royal Dublin Society. Dublin. January.

## STAFF PRESENTATIONS

1st January 1982 – 31st December 1986

- Bertz, S.** (1984). Plot Cues in Hiberno-English; SLE Meeting Manchester/Salford.
- Bertz, S.** (1985). Repetition and Restatement in Dublin English Discourse; First Symposium on Hiberno-English, Trinity College, Dublin.
- Broderick, M.** (1985). Contracts – an EFL approach to communicative language teaching; I.T.E. Dublin
- Broderick, M.** (1986). Fachsprache für Anfänger ohne sprachliche Vorkenntnisse; Goethe Institute. Dublin. January.
- Broderick, M.** (1986). Terminology in a Machine Translation System; Eurotra Workshop; Trinity College, Dublin. August.
- Levy, M., **Cassidy, J.**, Pons, S. and Janata, J. (1984). Suspended Gate Field Effect Transistors as Gas Sensors; paper presented at FACSS meeting. Philadelphia.
- Coonan, S.** and **Davison, D.H.** (1986). Colour Vision Demonstrated; German Weekend Festival, Trinity College. Dublin. February.
- Coonan, S.** and **Davison, D.H.** (1986). John Joly and the Process of Colour Photography; Institute of Physics Conference on Science and Technology in Ireland – Tradition and Reform 1800-1930. Trinity College. Dublin. March.
- Davison, D.H.** (1983). The Physical Basics of Photography; The Irish Underwater Council. Dublin. February.
- Davison, D.H.** (1985). RTE Radio Interview with John Skehen. The Work of Mary, Countess of Rosse. May.
- Davison, D.H.** (1986). Dwarf Rhododendrons; The Alpine Garden Society. Dublin. February.
- Coonan, S.** and **Davison, D.H.** (1986). Colour Vision Demonstrated; German Weekend Festival. Trinity College. Dublin. February.
- Coonan, S.** and **Davison, D.H.** (1986). John Joly and the Process of Colour Photography; Institute of Physics Conference on Science and Technology in Ireland – Tradition and Reform 1800-1930. Trinity College, Dublin. March.
- Davison, D.H.** (1986). Developments and Trends in Photography, as derived from Photokina 1986; IPPA. Eastern Region. Dublin. October.
- Davison, D.H.** (1986). RTE Television. Room Outside; Garden featured and discussion on aspects of design and specific cultural requirements of Rhododendrons. May.

- Davison, D.H.** (1986). RTE Television. Box Camera; Feature on the application of automated cameras to creative photography. September.
- Davison, P.A.** (1985). Inter-relationships between British drivers' age, visual attributes, and road accident histories; Paper presented to First International Conference on Vision in Vehicles, Nottingham, England, September.
- Davison, P.A.** (1986). Image processing by the eyes and brain; Invited paper presented to the Annual Meeting of the Association of Physical Scientists in Medicine, Dublin. September.
- Davison, P.A.** (1986). Binocular vision and Glaucoma; Lectures presented to Continuing Education Course, Association of Ophthalmic Opticians Ireland, Dublin. January.
- Dowding, V.M.** (1982). Social factors in Dublin births; Rotunda Hospital, Dublin. June.
- Dowding, V.M.** (1982). Birthweight, social class and perinatal mortality in Dublin; National Institute of Health. Bethesda, Maryland, USA. August.
- Dowding, V.M.** (1982). Pregnancy outcome at St. James and other Dublin maternity units; St. James Hospital, Dublin. November.
- Dowding, V.M.** (1984). Is the prevalence of Cerebral Palsy in Ireland really higher than in other countries; Central Remedial Clinic, Annual Clinical Meeting. Dublin. November.
- Dowding, V.M.** (1984). The usefulness of the Annual Clinical Report. National Maternity Hospital. Dublin. December.
- Dowding, V.M.** (1985). The epidemiology of Cerebral Palsy; Irish Academy of Medicine, Paediatric Section. Dublin. February.
- Dowding, V.M.** (1986). Cerebral Palsy in the Eastern Health Board Area; some preliminary findings. Rotunda Hospital, Dublin. November.
- Edwards, J.C.,** Chapman, D. and Cramp, W.A. (1982). Radiation studies on *Acholeplasma laidlawii*; 17th meeting, European Society for Radiation Biology. Bordeaux, France.
- Edwards, J.C.,** Chapman, D. and Cramp, W.A. (1983). The effects of ionizing radiation on a model membrane system and on a simple cell membrane; 7th International Congress of Radiation Research. Amsterdam, The Netherlands.
- Quinn, P.J., Perkins, M.J. and **Edwards, J.C.** (1983). Spin trapping of oxygen radicals from peroxychromate; 3rd Symposium, Society for Free Radical Research. London.
- Edwards, J.C.** George, A.M., Cramp, W.A., Hart, L.E. and Harris, G. (1984). Radiation-induced changes in cell nuclei; Radiobiology Work-in-Progress Meeting, British Institute of Radiology.



**Edwards, J.C.** and Cramp, W.A. (1984). The effects of ionizing radiation on DNA-membrane interactions in nuclear material isolated from human cells; 16th Meeting, Federation of European Biochemical Societies. Moscow, USSR.

**Edwards, J.C.**, Cramp, W.A., Harris, G., Hart, L.E., Hughes, G.R.V. and Lewis, P.D. (1984). Radiation-induced changes in the DNA conformation of human lymphocytes; 18th Meeting, European Society for Radiation Biology. Zurich, Switzerland.

Sabovljević, S.A., Lewis, P.D., **Edwards, J.C.** and Cramp, W.A. (1984). Location of DNA-synthetic sites determined by observation of tritium- activity; 18th Meeting, European Society for Radiation Biology. Zurich, Switzerland.

Cramp, W.A., Hart, L.E., Harris, G., **Edwards, J.C.**, George, A.M. and Hughes, G.R.V. (1984). Radiosensitivity of peripheral blood lymphocytes in autoimmune disease; British Society of Rheumatology Meeting. London.

Sabovljević, S.A., George, A.M., **Edwards, J.C.** and Cramp, W.A. (1985). Radiosensitivity of human lymphocytes - an indicator in radiotherapy; Association of Radiation Research Meeting, Brighton, England.

**Goldsmith, B.** (1983). On Endomorphisms Rings of Abelian Groups, Invited Seminars Universität Essen, Germany. December.

**Goldsmith, B.** and Frazen, B. (1984). Endomorphisms in Walk, International Conference on Abelian Groups and Modules; Udine, Italy. May.

**Goldsmith, B.** (1984). On Products of Infinite Cyclic Groups; Mathematics Colloquium. Institute of Advanced Studies. Dublin. December.

**Goldsmith, B.** (1985). Realizing Rings as Endomorphism Rings; Invited Seminar University College. Cork. November.

**Goldsmith, B.** (1986). Automorphisms and Endomorphisms of Modules; Invited Seminar Universität Essen. Germany. February.

**Goldsmith, B.** (1986). Endomorphism Algebras in  $V = L$ ; Invited Seminars. Università di Padova. Italy. May.

**Hallinan, F.** (1982). Electrophoretic characterisation of altered 2 macroglobulin in Cystic Fibrosis; Cystic Fibrosis Club Meeting Washington, D.C. U.S.A. May.

**Hallinan, F.** (1982). Searching for altered proteins in Cystic Fibrosis; Department of Child Health. University of Missouri. U.S.A. June.

**Hallinan, F.** (1982). Salivary proteins and Cystic Fibrosis; Department of Biochemistry University College. Dublin. December.

**Hallinan, F.** (1983). A new dimension to polyacrylamide gel analysis; Biotechnology Conference, Galway. June.

**Hallinan, F.** (1983). Electrophoretic Blotting of nondenaturing polyacrylamide electrophoretogram; Electrophoresis Society. University of Birmingham. November.

**Hallinan, F.** (1983). Analysis of plasma protein variants by IEF/PA and immunoblotting techniques; Biochemical Society, Polytechnic of Central London. December.

**Hallinan, F.** (1984). Application of 2D IEF/PA and protein blotting to the analysis of variant forms of  $\alpha$ -1 antichymotrypsin; Electrophoresis Society, Gottingen, Germany. August.

**Hallinan, F.** (1984). Production and characterisation of monoclonal antibodies against human apolipoprotein; Biochemical Society University College. Galway. September.

**Hallinan, F.** (1984).

(1) Production and characterisation of monoclonal antibodies to mitogen activated human lymphocytes;

(2) Characterisation of a monoclonal antibody reaction with acidic and basic parotid salivary proteins;

(3) Production and characterisation of monoclonal antibodies against plasma apolipoprotein; Use of immunoblots to rapidly characterise the nature of a monoclonal antibody recognised determinant.

Workshop on Monoclonal Antibodies; Applications and Techniques. Athlone. November.

**Hallinan, F.** (1985).

(1) Characterisation of a monoclonal antibody against apolipoprotein-B;

(2) Changes in the relative proportions of the micro-heterogeneous forms of human plasma orosomuroid after surgical trauma.

Biochemical Society. Belfast. September.

**Hallinan, F.** (1985). Analysis by the IEF/PA and immunoblotting of C6 phenotypes in adult rheumatoid arthritis; Association of Clinical Biochemists of Ireland, Dublin. December.

**Hallinan, F.** (1986). New twists in the serpins; Department of Biochemistry, Trinity College. Dublin. February.

**Hallinan, F.** (1986). Identification of a novel antithrombin mutant, AT Dublin, with increased frequency in children with cancer; Irish Association for Cancer Research, University College. Cork. May.

**Hallinan, F.** (1986). Purification of Human plasma antithrombin III; using affinity chromatography and HPLC; Biochemistry Society, Trinity College. Dublin. September.

**Hallinan, F.** (1986). IEF and immunoblotting in the rapid identification of mutant plasma proteins; studies of antibodies. Association of Clinical Biochemists of Ireland. Dublin. November.

- Hussey, M.** (1984). Recent advances in diagnostic ultrasound; Annual meeting of the Irish Association of Physical Scientists in Medicine, Blarney, April.
- Hussey, M.** (1984). Tissue Characterization – The frontier of diagnostic ultrasound; Seminar at Radiology Department, Jefferson University, Philadelphia, U.S.A. July.
- Hussey, M.** (1984). Technology transfer problems in the hospital service; Seminar at Biomedical Engineering Department. University Hospital, State University of New York, Stony Brook, Long Island, New York. U.S.A. July.
- Hussey, M.** (1985). Uses of ultrasound tissue characterisation for tumour diagnosis and examination; Seminar of Research Group, St. Luke's Hospital, Dublin. March.
- Hussey, M.** (1985). Measurement of the impulse response as a method of objectively assessing the imaging performance of an ultrasound scanner; National Board for Science and Technology Seminar, Dublin. October.
- Boland, F.M. and **Lynch, E.R.** (1986). Analysis of the Stroboscopic Waveform Mode; XI International Congress on Electron Microscopy. Kyoto, Japan, August 31 – September 7.
- Boland, F.M. and **Lynch, E.R.** (1986). Electron Beam Testing of Integrated Circuits; Integrated Circuit Technology Conference, N.I.H.E., Limerick. September.
- MacDaeid, D.** (1985). Oíche Ghairm Treorach ar na hEolaíochtaí; RTE Teleffs, Deireadh Fomhair.
- MacDaeid, D.** (1985). The Dublin Institute of Technology at Kevin Street; A Historical Perspective; Dublin Scientific Club. October.
- McMahon, R.** (1985). Communication – the most effective methods; Institute of Public Administration. Dublin. March.
- McMahon, R.** (1986). Communication for Public Servants. Institute of Public Administration. Dublin. February.
- Maher, K.P., Malone, J.F.** Hurley, G.D. and McInerney, D.P., (1982). Computational requirements for digital fluoroscopy – specification of existing systems and their relationship with nuclear medicine image processors. Medical informatics Europe Conference. Dublin.
- O'Connor, M. K., **Maher, K.P.** and Freyne, P.J, (1982). Evaluation of an A nuclear medicine computer for digital fluoroscopy. Medical Data Systems Users' Group. Manchester.
- O'Connor, M.K., **Malone, J.F., Maher, K.P.,** Freyne, P., Molloy, M. and Malone, E.W., (1982). Evaluation of a nuclear medicine computer for digital fluoroscopy. World Congress on Medical Physics and Biomedical Engineering. Hamburg, Germany.

O'Connor, M.K., **Maher, K.P.** and **Malone, J.F.** (1982). Experimental investigations with a digital fluoroscopy system. Annual Meeting of the Hospital Physicists' Association. Sheffield, England.

Hurley, G.D., **Maher, K.P.**, McInerney, D.P. and **Malone, J.F.**, (1982). Initial experience with an experimental digital fluoroscopy system. Annual Meeting of the Faculty of Radiologists, Royal College of Surgeons in Ireland. Dublin.

**Maher, K.P.**, O'Connor, M.K., **Malone, J.F.** and Hurley, G.D., (1982). Logarithmic amplification for quantitative D.S.A. - an untested assumption. Annual Assembly of the Radiological Society of North America. Chicago, U.S.A.

**Maher, K.P.**, **Malone, J.F.** and O'Connor, M.K., (1982). Capabilities of digital image processing systems to produce fluoroscopic difference images. Annual Meeting of the Association of Physical Scientists in medicine. Waterford.

Murphy, B.J., **Malone, J.F.**, Hurley, G.D. and McInerney, D.P. (1983). Architecture of an add-on D.S.A. system - description and performance. Annual Meeting of the Imaging Group, Faculty of Radiologists, Royal College of Surgeons in Ireland. Dublin.

Hurley, G.D., **Maher, K.P.** McInerney, D.P. and **Malone, J.F.** (1983). Digital Subtraction Angiography using an add-on real-time system. Diagnostic Radiology Postgraduate Course of Cornell University Medical College. Dublin.

Hurley, G.D., **Maher, K.P.**, **Malone, J.F.** and McInerney, D.P., (1983) Evaluation of divided renal function using digital subtraction angiography, European Congress of Radiology. Bordeaux, France.

**Maher, K.P.**, Hurley, G.D., **Malone, J.F.** and McInerney, D.P. (1983). Digital Subtraction Angiography using low continuous exposures, conventional fluoroscopic equipment and an add-on image processor. Annual Meeting of the Hospital Physicists' Association. Newcastle-upon-Tyne, England.

**Malone, J.F.** O'Connor, M.K. and **Maher, K.P.**, (1984). Assessment of uniformity and signal-to-noise ratio in radiological image intensifier - television systems. Scientific Seminar on Criteria and Methods for Quality Assurance in Medical X-Ray Diagnosis. Udine, Italy.

**Maher, K.P.**, Hurley, G.D. and **Malone, J.F.** (1984). Evaluation of renal function using digital subtraction angiography. Annual Meeting of the Imaging Group, Faculty of Radiologists, Royal College of Surgeons in Ireland. Dublin.

O'Connor, M.K., **Malone, J.F.**, **Maher, K.P.** and Coakey, D., (1984). Evaluation of dual-energy radiography for the measurement of bone mineral content. Annual Meeting of the Hospital Physicists' Association. Swansea, Wales.

**Maher, K.P.**, **Malone, J.F.** and Hurley, G.D. (1984). Image noise and its reduction in digital fluoroscopy. Annual Meeting of the Association of Physical Scientists in Medicine. Athlone.

**Maher, .P.**, O'Connor, M.K., **Malone, J.F.** and Hurley, G.D., (1984). A correction technique for the effects of scattered radiation and veiling glare in quantitative D.S.A. Annual Meeting of the Association of Physical Scientists in Medicine. Athlone.

Ryan, P.C, **Maher, K.P.**, Hurley, G.D. and Fitzpatrick, J.M., (1985). Partial Ureteric Obstruction – a new model for assessment of vascular and pressure changes. Irish Society of Urology Meeting. Dublin.

McInerney, D.P., **Maher, K.P.**, Malone, J. F. and Hurley, G.D. (1985). Intra-arterial digital subtraction in the evaluation of severe peripheral vascular disease. Annual Congress of the British Institute of Radiology. Manchester, England.

**Maher, K.P.**, O'Connor, M.K., Malone, J. F. and Hurley G.D. (1985). Evaluation of a correction technique for the effects of scattered radiation and veiling glare in quantitative digital subtraction angiography. Annual Meeting of the Imaging Group, Faculty of Radiologists, Royal College of Surgeons in Ireland. Dublin.

Bourke, S., Abelow, A., Das, K., **Maher, K.P.**, Murphy, B. and O'Morain, C., (1985). The excretion of orally administered 51-Cr EDIA in detecting small bowel disease. International Conference on Frontiers in Gastroenterology. Dublin.

**Maher, K.P.**, O'Connor, M.K. and Malone, J. F. (1985). Densitometric analysis in digital subtraction angiography. International Conference on Medical and Biological Engineering and on Medical Physics. Espoo, Finland.

**Maher, K.P.**, Malone, J. F. and Hurley, G.D., (1985). Evaluation of the processing algorithms of a real-time digital image processor. Annual Meeting of the Association of Physical Scientists in Medicine. Athlone.

Malone, J. F. **Maher, K.P.** and O'Connor, M.K. (1985). Continuous exposure digital subtraction angiography. Digital Fluorography Round-Table Meeting of the Hospital Physicists' Association, Newcastle-upon-Tyne, England.

Malone, J. F. **Maher, K.P.** and O'Connor, M.K. (1985). Quantitation using densitometric and dual-energy techniques. Hospital Physicists' Association meeting on Digital Fluorography, Nottingham, England.

Ryan, P.C., **Maher, K.P.**, Hurley, G.D. and Fitzpatrick, J.M. (1986). Partial ureteric obstruction: a new accurate model. American Urology Association meeting, Atlanta, USA.

Ryan, P.C., **Maher, K.P.**, Hurley, G.D. and Fitzpatrick, J.M. (1986). Antegrade pressure flow studies in partial ureteric obstruction. European Organisation of Urologists meeting, Budapest, Hungary.

McInerney, D.P., **Maher, K.P.**, Hurley, G.D. and Fitzpatrick, J.M., (1986). Antegrade pressure flow studies in partial ureteric obstruction. European Organisation of Urologists meeting. Budapest, Hungary.

McInerney, D.P., **Maher, K.P.**, Bouchier-Hayes, D. and Walsh, A. (1986). A clinical study of intra-arterial subtraction angiography in severe peripheral vascular disease. Annual Congress of the British Institute of Radiology. Bristol. England.

**Maher, K.P.**, Malone, J.F., Hurley, G.D. and McInerney, D.P. (1986). Evaluation of the processing functions of D.S.A. image processors. Annual Congress of the British Institute of Radiology. Bristol. England.

**Mathias, P.M.** (1983). Current Views on the Aetiology and Treatment of Severe Malnutrition in the Third World. Irish Nutrition and Dietetic Association. Dublin. March.

**Mathias, P.M.** (1984). Nutritional Deficiency in Cystic Fibrosis. Our Lady's Hospital for Sick Children, Crumlin, Dublin. March.

**Mathias, P.M.** (1984). Vitamin E Intakes and Vitamin E Status of Young Adults in Ireland. Fat Soluble Vitamin Society. Leeds University. April.

**Mathias, P.M.** (1985). A Case of Vitamin E Deficiency on Home Total Parenteral Nutrition. Royal Irish Academy Nutrition Meeting. Dublin. August.

**Mathias, P.M.** (1985). Bakery and Human Nutrition. Dublin Bakery School Golden Jubilee Symposium. Dublin. November.

**Mathias, P.M.** (1986). Assessment of Nutritional Status of the Surgical Patient. Irish Nutrition and Dietetic Association. April.

**Mathias, P.M.** (1986). Adaptation of a Rapid Single Test Tube Fluorometric Method for the Estimation of Selenium in Foods and Food Products. Royal Irish Academy Nutrition Meeting. Dublin. September.

**Mathias, P.M.** (1986). Vitamin A Content of Low Fat Milks. Royal Irish Academy Nutrition Meeting. Dublin. September.

**Mathias, P.M.** (1987). Vitamin E Intakes and Vitamin E Status of Children with Cystic Fibrosis in Ireland. Fat Soluble Vitamin Society. Leeds. March.

**Mathias, P.M.** (1987). A Case of Vitamin E Deficiency in a Child on Home Parenteral Nutrition. Fat Soluble Vitamin Society. Leeds. March.

**Moloney, M.** (1986). Problems of Vitamin D deficiency in the elderly population. Royal College of Physicians of Ireland. Dublin.

**Moloney, M.** (1986). Kilkenny Health Project. Seven day weighed food intake on a random sample of sixty subjects. International Conference of the British Dietetic Association. London.

**O'Hare, A.T.**, Le Boutet, A., Sorel, Y., Auffret, R., Henry, M., Tebault, C., Vergos, J.C., (1985). 1.7 G Bit/s Direct and external modulation of lasers: A comparison in the second and third windows over 40km of installed link. ECOC Venice. October.

- Ryan, B.A.** (1982). The Components of a Well Balanced Diet. Home Economics Teachers' Seminar, St. Vincent's Hospital, Dublin. April.
- Ryan, B.A.** (1982). Diabetes Mellitus. Medical Research Conference, Maseru, Lethoso. September.
- Ryan, B.A.** (1983). Acid Base Balance. Medical Research Conference, Maseru, Lethoso. November.
- Ryan, B.A.** (1983). Liver Function Tests. Medical Research Conference, Maseru, Lethoso. November.
- Ryan, B.A.** (1985). Nutrition and Dietetic Education. Irish Nutrition and Dietetic Association Seminar. St. Vincent's Hospital, Dublin. May.
- Scott, T.G.** (1984). Pathogenesis of Gardnerella vaginalis. Microbiology Society. Trinity College Dublin. February.
- Scott, T.G.** (1985). Bacteriology of Gardnerella. Academy of Medical Laboratory Sciences Symposium. Portlaoise. November.
- Scott, T.G.** (1986). Education in the Hospital Laboratory. Academy of Medical Laboratory Sciences, Education and Management Symposium. Portlaoise. February.
- Scott, T.G.** (1986). Adherence of Gardnerella organisms. Research Seminar, Department of Microbiology, Trinity College, Dublin. November.
- Taaffe, J.K.**, (1985). Taispeantas ar obair Mháire Cuntaois de Rosse. RTE Telefís. Deireadh Fomhar
- Toal, V.** (1985). The uses of Holography. RTE Radio. November.
- Toal, V.** (1986). Holographic Tomography. St. Lukes Hospital. Dublin. April.
- Toal, V.** (1986). Holographic Tomography. RTE Television. September.

**NATIONAL AND INTERNATIONAL AWARDS MADE  
TO GRADUATES OF DIT, KEVIN STREET,  
DURING 1986**

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**Sunday Independent  
Irish Life**

**A R T S  
AWARDS 1986**

**Photography**

To **Daniel de Chenu** whose greatest achievement during the year was a commission from the prestigious U.S. publishers Abrams to take all the photographs for a forthcoming book "The People of Ireland".

Born in Dundrum in 1961, he studied photography at the Dublin Institute of Technology, Kevin Street from 1978 and received his Advanced Certificate in 1983. His career has been varied. Having first worked with the Bray News, he moved to a commercial studio and a colour processing establishment before taking up his present position with the IIRS.

He first exhibited at the Peacock Theatre in 1982, and has shown in Norway, China, The Photographers' Gallery, London, The Museum of Modern Art, Paris and various Irish galleries.

He won the Prix Air France/Ville de Paris 1984. In 1985 he was awarded an Arts Grant by Dublin Corporation to photograph the people and environment of Sheriff Street and these pictures were exhibited at Sheriff Street Community Centre and in the Project Arts Centre.



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Hospital, Drogheda.

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Dublin.

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M. Kelly FIMLS  
D. Kenny BSc MSc MRCPATH  
D. Kilshaw JP FIMLS CBiol MIBiol  
Anne Kirrane FIMLS  
Eimear Lalor MB MRCPATH DCH  
J. Lamont FIMLS  
Olwyn Lanigan BSc MSC  
D. Magee FIMLS  
S. Maguire BSc PhD  
J.F. Malone BSc PhD CPhys FInstP  
CBiol MIBiol  
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Nuala McCarroll BSc MSC  
D. McFadden BSc PhD  
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P. Mulholland FIMLS  
D. Mullany FIMLS  
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B. O'Mahony FIMLS  
R. O'Moore MD MRCPATH  
C. O'Neill FIMLS  
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B. Wall FIMLS  
Patricia Walsh FIMLS  
R. Walsh FIMLS GIBiol  
T. Walsh MB  
B. West MB PhD  
A. Whelan PhD FIMLS  
J. Williams FIMLS  
J. Witcher MA MB BMChir  
E. Wright FIMLS

### TECHNICAL STAFF:

Patricia Brennan RT(CSLT)Canada  
Daireen Caffrey TechDipAppSc  
Lindsey Gardiner TechDipAppSc  
Ted Doody TechDipAppSc

Breege Keenan CGLI(Biochem)  
Ronan Leydon CGLI AIST  
Patricia Taylor TechDipAppSc

### RESEARCH STAFF:

Sandra M. Healy TechDipAppSc  
Kerima Maasho  
Ruth I. McKenzie BSc

### LABORATORY AIDES:

Ann Collier  
Kathleen Johnson

Mary Kavanagh  
David White

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