Kevin Street College: Centenary Calendar 1987 - 1988

Dublin Institute of Technology

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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.
## CONTENTS

### CLÁR

<table>
<thead>
<tr>
<th>Section</th>
<th>Page/Leathanach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Réamhfhocal ó Uachtarán na hÉireann, an Dr. P. S. Ó hÍrighile</td>
<td>6</td>
</tr>
<tr>
<td>Dublin Institute of Technology and the location of its Colleges</td>
<td>8</td>
</tr>
<tr>
<td>Almanac</td>
<td>9</td>
</tr>
<tr>
<td>City of Dublin Vocational Education Committee</td>
<td>10</td>
</tr>
<tr>
<td>The Dublin Institute of Technology</td>
<td>11</td>
</tr>
<tr>
<td>Academic Council – Dublin Institute of Technology</td>
<td>12</td>
</tr>
<tr>
<td>Ireland, Member of The European Economic Community</td>
<td>14</td>
</tr>
<tr>
<td>Guide to Courses in the Dublin Institute of Technology</td>
<td>15</td>
</tr>
<tr>
<td>Ceád Bliaín ag Fáis</td>
<td>19</td>
</tr>
<tr>
<td>College Council</td>
<td>21</td>
</tr>
<tr>
<td>The College and its Departments</td>
<td>23</td>
</tr>
<tr>
<td>College Executive Board</td>
<td>30</td>
</tr>
<tr>
<td>Guide to Courses offered by the College</td>
<td>33</td>
</tr>
<tr>
<td>Entry Requirements</td>
<td>39</td>
</tr>
<tr>
<td>Method of Application</td>
<td>42</td>
</tr>
<tr>
<td>Selection Procedures for Wholetime Courses</td>
<td>45</td>
</tr>
<tr>
<td>Special Cases</td>
<td>46</td>
</tr>
<tr>
<td>Overseas Students</td>
<td>47</td>
</tr>
<tr>
<td>Grants and Scholarships</td>
<td>49</td>
</tr>
<tr>
<td>Admission and Enrolment</td>
<td>50</td>
</tr>
<tr>
<td>Attendance at Classes and Courses</td>
<td>52</td>
</tr>
<tr>
<td>Examinations</td>
<td>53</td>
</tr>
<tr>
<td>General Examination Regulations Pertaining to Wholetime Students</td>
<td>55</td>
</tr>
<tr>
<td>Section</td>
<td>Page</td>
</tr>
<tr>
<td>-----------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Conduct and College Regulations</td>
<td>57</td>
</tr>
<tr>
<td>Degrees from the University of Dublin</td>
<td>58</td>
</tr>
<tr>
<td>The College Administration</td>
<td>59</td>
</tr>
<tr>
<td>Tuition and Examination Fee for Session 1987/88</td>
<td>60</td>
</tr>
<tr>
<td>The Library</td>
<td>61</td>
</tr>
<tr>
<td>Student Services</td>
<td>62</td>
</tr>
<tr>
<td>Chaplains</td>
<td>63</td>
</tr>
<tr>
<td>Careers Advisory Service</td>
<td>64</td>
</tr>
<tr>
<td>Post-Graduate Studies</td>
<td>65</td>
</tr>
<tr>
<td>Overseas Development Aid</td>
<td>66</td>
</tr>
<tr>
<td>Courses:</td>
<td></td>
</tr>
<tr>
<td>(a) Applied Science, Health Science, Food Science,</td>
<td>69</td>
</tr>
<tr>
<td>Mathematics &amp; Computing</td>
<td></td>
</tr>
<tr>
<td>(b) Engineering</td>
<td>161</td>
</tr>
<tr>
<td>(c) Languages</td>
<td>201</td>
</tr>
<tr>
<td>(d) For Electrical Apprentices and Craftsmen, and</td>
<td>211</td>
</tr>
<tr>
<td>Draughtsmen</td>
<td></td>
</tr>
<tr>
<td>(e) Physical Education</td>
<td>227</td>
</tr>
<tr>
<td>External Examiners for 1987</td>
<td>229</td>
</tr>
<tr>
<td>Graduates of the College 1986</td>
<td>235</td>
</tr>
<tr>
<td>Prizewinners 1986</td>
<td>246</td>
</tr>
<tr>
<td>Staff Awards (1982-1986)</td>
<td>252</td>
</tr>
<tr>
<td>Staff Publications (1982-1986)</td>
<td>256</td>
</tr>
<tr>
<td>Staff Exhibitions (1982-1986)</td>
<td>271</td>
</tr>
<tr>
<td>Staff Presentations (1982-1986)</td>
<td>272</td>
</tr>
<tr>
<td>National Awards obtained by Graduates of the College in</td>
<td>281</td>
</tr>
<tr>
<td>1986</td>
<td></td>
</tr>
<tr>
<td>Academic and Technical Staff</td>
<td>282</td>
</tr>
</tbody>
</table>
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 ocáid chomórtha seo méid úr 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 hárdaíthrách ina dhiaidh sin, scoileanna a ndearnaadh aithris orthu ina lán áithreanna eile, a d’fhág lorg ar fhógraíocht an oideachais theicniúil ar fud Éireann agus a chabhrigh as cuimse le dul chun cinn eacnamaíochta agus tionsclaíochta ár dtíre.

Nil aíreamh ar chomh móir is atáimid faoi chomaoín acu siud ar spreag a n-aisling is a n-eirim iad chun bhur gColáiste a bhfuil iomrá chomh móir sin air inniu a bhunú céad bliain ó shin.

Go leana bainistíocht, foireann teagaisc agus micléinn an Coláiste orthu ag saothrú an árdchaighdeáin éifeachtúilacha agus foirfeachta a choiannigh a ainm in aird go dtí seo agus a shaibhrihgh 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
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
## SESSION 1987/88

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1987</strong></td>
<td><strong>TERM 1  TÉARMA 1</strong></td>
</tr>
<tr>
<td>SEPT.</td>
<td>Tuesday 1: Commencement of Session</td>
</tr>
<tr>
<td></td>
<td>Wednesday 2: Commencement of apprenticeship courses except where otherwise arranged.</td>
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<tr>
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<td>Monday 14: Interviews and enrolments for part-time and evening courses commence except where otherwise arranged.</td>
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<tr>
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<td>Monday 21: Wholetime classes commence except where otherwise arranged.</td>
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<tr>
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<td>Monday 28: Part-time and evening classes commence except where otherwise arranged.</td>
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<tr>
<td>DEC.</td>
<td>Friday 18: Final class meeting of first term.</td>
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<tr>
<td><strong>1988</strong></td>
<td><strong>TERM 2:  TÉARMA 2</strong></td>
</tr>
<tr>
<td>JAN.</td>
<td>Monday 4: All Classes resume.</td>
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<tr>
<td>FEB.</td>
<td>Monday 1: Closing date for applications to wholetime courses through the CAO for 1988/89.</td>
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<td>Friday 12: Closing date for applications for wholetime courses through the DIT Admissions Office for 1988/89.</td>
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<td>Friday 26: Late closing date for applications for wholetime courses through the DIT Admissions Office 1988/89.</td>
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<tr>
<td>MAR.</td>
<td>Tuesday 29: Final Class meeting of second term.</td>
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<tr>
<td><strong>TERM 3  TÉARMA 3</strong></td>
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<tr>
<td>APRIL</td>
<td>Monday 11: All Classes resume.</td>
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<tr>
<td>MAY</td>
<td>Monday 16: Commencement of College Summer Examination programme except where otherwise arranged.</td>
</tr>
<tr>
<td>JUNE</td>
<td>Monday 20: All classes terminate except where otherwise arranged.</td>
</tr>
</tbody>
</table>

### 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.
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.


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 Puirséil 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.
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

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 Puirséil NT MA HDipEd
Michael O'Donnell MEconSc BE BComm CEng MIProdE FIEI
Matthew Connolly
Tom Fitzpatrick
Gerry Shanahan
Wolfgang Truetzschler DipPsych
Chris Wall
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 MInstE (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
Ireland, Member of the European Economic Community
Éire san Comphobal Eorpach
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.

<table>
<thead>
<tr>
<th>Natural and Applied Science</th>
<th>Bolton Street</th>
<th>Catering</th>
<th>Kevin Street</th>
<th>Marketing &amp; Design</th>
<th>Commerce</th>
<th>Music</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analytical and Applied Science</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Applied Mathematics</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Applied Physics</td>
<td></td>
<td></td>
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<tr>
<td>Aquatic Biology</td>
<td></td>
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</tr>
<tr>
<td>Biochemistry</td>
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<td>Biology</td>
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<tr>
<td>Biotechnology</td>
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<td>Botany</td>
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</tr>
<tr>
<td>Chemical Technology</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Computer Science/Programming</td>
<td></td>
<td></td>
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<tr>
<td>Environmental Science</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Fine Chemical and Pharmaceuticals</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Food Technology</td>
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<td>Food Science</td>
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<td>Forensic Science</td>
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<td></td>
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<tr>
<td>Genetics</td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
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<tr>
<td>Mathematical Physics</td>
<td></td>
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<td></td>
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<tr>
<td>Nautical Studies</td>
<td></td>
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<tr>
<td>Microbiology</td>
<td></td>
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<tr>
<td>Oceanography</td>
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<td></td>
</tr>
<tr>
<td>Pharmacology</td>
<td></td>
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<tr>
<td>Physics</td>
<td></td>
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<tr>
<td>Physiology</td>
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<tr>
<td>Polymer Science</td>
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<tr>
<td>Science of Materials</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Systems Analysis</td>
<td></td>
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<tr>
<td>Zoology</td>
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<table>
<thead>
<tr>
<th>Medical and Health Related Science</th>
<th>Bollon Street</th>
<th>Catering</th>
<th>Kevin Street</th>
<th>Marketing &amp; Design</th>
<th>Commerce</th>
<th>Music</th>
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<tbody>
<tr>
<td>Animal Nursing</td>
<td></td>
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<tr>
<td>Dentistry/Dental Technology</td>
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<td>Environmental Health</td>
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<tr>
<td>Medical Laboratory Sciences</td>
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<tr>
<td>Ophthalmic Optics</td>
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<tr>
<td>Sciences for Nurses</td>
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<tr>
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<td>Legal Studies</td>
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<td>Social Sciences</td>
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<tr>
<td>Community Care</td>
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<tr>
<td>Child Care</td>
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</tr>
<tr>
<td>Social Science/Sociology</td>
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<tr>
<td>Arts</td>
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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.

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18
CEAD BLIAIN AG FÁS

Leifthonn 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 Fómhair 1887 le 10 muintear, 78 micleinn agus 12 abhair teagaisc. D'oscail Scoil na gCearraidh i rith tithim mhóir ins an tionsclaíocht tairgíochta i mBaile Átha Cliath agus i Sasain féin. Ins an naoiú-aois deag tháinig bagairt ar thionscailíocht i Sasain tre mhéadú móir san dubhshlán on Mhór-Roinn agus ó na Stáit Aontaithe. In Sasain chonachthas an dainséir agus bunaíodh Comisiún Ríoga in 1881 le modhanna oideachais teicneolaíochta a phlé. De bharr a gcuid fiosrúcháin reachtáfhodh Acht Teagasc Teicneolaíochta in 1889 a chur curam an oideachais ar Chomhairle Áitiúil. In Éirinn nó bunaíodh Comhairle Áitiúil go dtí gur tháinig an Acht Rialtais Áitiúil (Éire) isteach in 1898.

Ni h-íontach mar sin go raibh deacrachtáir airgid ag baint le forbairt scoile SRÁID CHAOIMHÍN ins na blianta roimh 1891 mar a reachtáfhodh Acht Teagasc Teicneolaíochta (1891) in Éirinn. D'aineoin na deacrachtáir bhí 513 micleinn ar na rollaí san seisiún 1891 – 1892. Ó 1893, nuair a chuir Bardas Átha Chliath an Acht i bhfeidhm, bhí deontaí dá fáil le trealamh saotharlainne a leathnú agus le cúrsaí nua a stiúiríú. Chonachthas mheádú móir ar tineamh na scoile in 1895 de bharr na forbairte seo agus toghadh teach, 37, Sr. Chaoimhín (treasna an bhothair on scoil) are cíos leis an bhreis a threálraí. Chuir an teach seo sé seomraí range ar fáil ach faoi 1897 agus le 925 micleinn are na rollaí bhí förgnearn thuag na scóil go teastaíl. Tosaíodh an tógail i Lúnasa 1899 agus osclaíodh an scoil nua i 1901.

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

Le bunú Saorstáit Éireann i 1922 lean stiúiríú na scoile faoin sean Acht ach i 1924 athrúadh curram teagaisc teicneolaíochta ón Roinn Talmháíochta go dtí an Ríonn Oideachais. I 1930 tháinig an Acht Chairm-Oideachais (1930) i bhfeidhm agus is ó shin i leith atá stiúiríú teagaisc teicneolaíochta faoi réir na gCoistí Cháirm-Oideachais ar fud na tíre.

Idir an dá chogaidh domhanda nír mór ar mheádú a tháinig ar an scoil i Sr. Chaoimhín agus ní mór ar an athrú a tháinig ar raon na gcúrsaí. Ag díreach 1938 achar, bhí breis agus 2,000 micleinn (idir daltai lae agus oiche) ar na rollaí agus bhí brú móra spás arís ann. Aistriódh cuid de na cúrsaí go scoileanna eile sa chathair leis an mbhrú a mhaolú agus san seisiún 1941/42 cuireadh leis na saotharlaíonna innealtóireachta.

Le tus an tarna chogaidh tháinig éileamh móir ar chúrsaí nua. I 1940 bunaíodh cúrsa ar Sheirbhís Radio, cúrsaí reamh-Ollscoile ins na hAbhair Earga; i 1942 bunaíodh cúrsa trí bliana in Innealtóireacht Radio, cúrsaí don Radharcmaistreoireacht, Poiticeireacht and Raidgradhfaideireacht. 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 Triúileibhéil ar an gColáiste.
I dtus an chogaidh ní raibh ach seisear forine seasmhach sa Choláiste, an Próimh-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 críochnaithe; i 1963 thosaigh an tógáil ar an bhfoirgneamh atá inniu ann. Osclaíodh an Choláiste nua go hoifigiúil i mí Mheithimh 1968.


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

I mblianta tá 200 d’hoireann acadúil seasmhach sa Choláiste, 300 d’hoireann pháirtí aimsireach agus breis is 4500 micleinn. Tá 80 cúrsaí fó-chhéimeach le fáil maille le aiseanna iar-chéimeacha agus Cúrsaí Proifisiúnta. Tá taighde iar-chéimeach agus iar-dhochtúireachta idir lamhaibh faoi dheontais ó eagraisí in Éirinn, ón Roinn Oideachais, ón Mórphobal Eorpa agus ó ionaidaithe eagsúla seachtracha eile.

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

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 DippEE 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

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 Institut 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 Radharcnhasgtaí (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 wholetime Honours Diploma course in Electrical/Electronic Engineering, a three-year wholetime 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 wholetime 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 whole-time 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.
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:**
Bríd Ann Ryan BSc MSc CBiol MIBiol DiplIndMicrob

**Chemistry:**
E.J. Rothery BSc CChem FRSC FICI MIBiol

**Electrical Engineering:**
J.C. Fisher BA BAI HDipEd PhD CEng MIEI

**Electrical Installation:**
Desmond McManus FTC(EIP)/CGLI Final(EIP)/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

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G.L. Latchford
B.A. Ryan
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J.C. Fisher
COLLEGE EXECUTIVE BOARD
BORD FEIDHMIÚCHÁIN AN CHOLÁISTE
## COURSES IN APPLIED SCIENCE, HEALTH SCIENCE, FOOD SCIENCE, MATHEMATICS AND COMPUTING

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

### Wholetime Degree & Professional Courses

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diploma in Applied Sciences</td>
<td>Wholetime</td>
<td>WSAD 70</td>
</tr>
<tr>
<td>BSc (Applied Sciences)</td>
<td>Wholetime</td>
<td>WSO 74</td>
</tr>
<tr>
<td>Diploma in Opthalmic Optics</td>
<td>Wholetime</td>
<td>WBD 77</td>
</tr>
<tr>
<td>Diploma in Human Nutrition and Dietetics</td>
<td>Wholetime</td>
<td>WBD 77</td>
</tr>
<tr>
<td>BSc(Human Nutrition)</td>
<td>Wholetime</td>
<td>WBD 77</td>
</tr>
<tr>
<td>Diploma in Medical Laboratory Sciences</td>
<td>Block-Release</td>
<td>WAML 80</td>
</tr>
<tr>
<td>Degree Course in Medical Laboratory Sciences</td>
<td>Wholetime</td>
<td>81</td>
</tr>
<tr>
<td>Graduate Diploma in Food Science Technology of the Institute of Food Science and Technology (UK)</td>
<td>Wholetime</td>
<td>WSFS 82</td>
</tr>
</tbody>
</table>

### Part-time Professional Courses

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fellowship of the Institute of Medical Laboratory Sciences Part I</td>
<td>Block-Release</td>
<td>S10.1 88</td>
</tr>
<tr>
<td>Fellowship of the Institute of Medical Laboratory Sciences Part II</td>
<td>Block-Release</td>
<td>S10.2 89</td>
</tr>
<tr>
<td>Graduateship of the Institute of Biology</td>
<td>Part-time</td>
<td>PSIB 91</td>
</tr>
<tr>
<td>Graduate Diploma in Food Science and Technology of the Institute of Food Science and Technology (UK)</td>
<td>Evening</td>
<td>S6.3 94</td>
</tr>
<tr>
<td>Diploma in Food Science</td>
<td>Evening</td>
<td>S6 96</td>
</tr>
<tr>
<td>Graduateship of the Royal Society of Chemistry</td>
<td>Part-time</td>
<td>PSIC 98</td>
</tr>
<tr>
<td>Diploma in Applied Physics</td>
<td>Part-time</td>
<td>PSAP 100</td>
</tr>
<tr>
<td>Graduateship of the Institute of Statisticians</td>
<td>Evening</td>
<td>M6 102</td>
</tr>
</tbody>
</table>
COURSES IN APPLIED SCIENCE, HEALTH SCIENCE, FOOD SCIENCE, MATHEMATICS AND COMPUTING

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

| 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 |
## Other Science & Mathematics Based Courses

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours Diploma in Electrical/ Electronic Engineering BSc(Eng)</td>
<td>Wholetime</td>
<td>SEE 162</td>
</tr>
<tr>
<td>Course for the Engineering Council Part II Examination</td>
<td>Wholetime</td>
<td>WCE 165</td>
</tr>
</tbody>
</table>

### Part-Time Professional Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course for the Engineering Council Part I Examination</td>
<td>Evening</td>
<td>EE1 168</td>
</tr>
<tr>
<td>Course for the Engineering Council Part II Examination</td>
<td>Evening</td>
<td>EE2 169</td>
</tr>
</tbody>
</table>

### Wholetime Technician Engineering Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technician Engineering Diploma – Electrical Engineering</td>
<td>Wholetime</td>
<td>WEET 172</td>
</tr>
<tr>
<td>Technician Engineering Diploma – Telecommunications &amp; Electronics</td>
<td>Wholetime</td>
<td>WRTT 175</td>
</tr>
</tbody>
</table>

### Wholetime Technician Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technician Diploma in Electronic Engineering</td>
<td>Wholetime</td>
<td>WRS 180</td>
</tr>
<tr>
<td>Technician Certificate in Electronics</td>
<td>Wholetime</td>
<td>WRCE 183</td>
</tr>
<tr>
<td>Telecommunications and Electronic Technicians</td>
<td>Wholetime</td>
<td>WRAL 185</td>
</tr>
<tr>
<td>Marine Radio – Electronics Officers</td>
<td>Wholetime</td>
<td>WRO 187</td>
</tr>
<tr>
<td>Marine Radar – Maintenance Certificate</td>
<td>Full-time</td>
<td>WRR 188</td>
</tr>
<tr>
<td>Post Office Engineering Technicians</td>
<td>Block-Release</td>
<td>SRPO 189</td>
</tr>
</tbody>
</table>
## COURSES IN ENGINEERING

### CÚRSAÍ SAN INNEALLTÓIREACHT

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

## LANGUAGE COURSES

### CÚRSAÍ SAN TEANGEALÁÍOCHT

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

**COURSES IN PHYSICAL EDUCATION**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Duration</th>
<th>Ref.</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>CÚRSAÍ SAN CORP OIDEACHAIS</td>
<td></td>
<td></td>
<td>227</td>
</tr>
</tbody>
</table>
ENTRY REQUIREMENTS
CÁILAIÓCHTAÍ 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).

<table>
<thead>
<tr>
<th>College Code</th>
<th>CAO Code</th>
<th>Course Description</th>
<th>Minimum Points in 1986**</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEE</td>
<td>FT 21</td>
<td>Honours Diploma in Electrical/</td>
<td>35</td>
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<tr>
<td></td>
<td></td>
<td>Electronic Engineering</td>
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<tr>
<td>WSAD</td>
<td>FT 22</td>
<td>Diploma in Applied Sciences</td>
<td>28</td>
</tr>
<tr>
<td>WBD*</td>
<td>FT 23</td>
<td>BSc(Human Nutrition)</td>
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</tbody>
</table>

*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.

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

**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 transferee, 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 wholetime 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.
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

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<tr>
<td>1</td>
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<td>D</td>
<td>D</td>
<td>C</td>
</tr>
</tbody>
</table>

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

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**

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

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

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               | Institute of Mathematics & its Applications |
| City & Guilds of London Institute     | Institute of Medical Laboratory Sciences    |
| Institute of Biology                  | Institute of Statisticians                  |
| Institute of Food Science & Technology| The British Computer Society                |
| Institute of Hospital and Health      | The Engineering Council                     |
| Services Administrators               | Royal College of Veterinary Surgeons        |
| Institute of Linguistics              | 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.
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
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.
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(Appplied 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

RIARACHÁN

SECRETARY/REGISTRAR:
   David C. Spring

ACCOUNTS OFFICE:   REGISTRATIONS/ADMISSIONS OFFICE:
   Senior Post Vacant   Senior Officer: Maurice Boland

EXAMINATIONS SECRETARY:
   Nuala McGlade

SECRETARY TO THE PRINCIPAL:  SECRETARY TO VICE-PRINCIPAL:
   Annemarie O'Connell   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:    HEAD PORTER:
   Andrew Farrelly   Nicholas McCormack

COLLEGE OFFICE HOURS

The Office will be open for enrolment of students as follows:
Monday to 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 TEAGAISC AGUS TAÍLLÍ SCRÚDAITHE 1987-88

WHOLETIME COURSES

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

PART-TIME COURSES

PSIB: PSIC: PSAP: PAS: PSL: PET £160
PSPT: PSP: £265

BLOCK RELEASE COURSE

PSN (2nd and 3rd years: £55) £65

EVENING COURSES

T1: T2: T3: T4: PCLL: PCLS: £115
S10 (1 week block £120): £380
PLAL: PDT: £200

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.

College Examination Entry Fee (see note above): £25
Late Registration Fee: £30

Tuition Fees for Overseas Students
(non-EEC Countries): £1717
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**

**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.
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
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
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
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.

Mr. Tom Scott, Lecturer in Medical Microbiology carrying out an experiment on antibiotic production using a fermenter.
WHOLETIME DEGREE/PROFESSIONAL COURSES IN
APPLIED SCIENCE
HEALTH SCIENCE
FOOD SCIENCE

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.
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
First Year:


Mathematics — Calculus and Linear Algebra, Computing, Mechanics.


Management Studies.

Language — French or German.

Second Year:


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:


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

Management Studies.

Language — French or German.

Fourth Year:


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.


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.


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

Pre-requisites: Minimum Entry: Leaving Certificate (minimum six Ordinary Level grades) in English, Irish, Mathematics and any two other subjects. Students should have a good working knowledge 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 employed in research, teaching and in a wide variety of nutritional related fields. The qualification is also recognized by graduates in research in the Food and Pharmaceutical Industries.

Other areas where posts are becoming available in which graduates may find employment include: Community Nutrition, Preventative Medicine and Educational Pathology in research in the Food and Pharmaceutical Industries.

For Further Information: Ms. Mary McSweeney, Department of Biological Sciences. Telephone: 757541 ext. 314

Closed Data
DIPLOMA IN HUMAN NUTRITION AND DIETETICS
BSc (Human Nutrition and Dietetics)

Former
College Code: WBD
CAO Code: FT 23
Duration: Four years whole time

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

(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
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 whole-time

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 Bórd 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

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<td>Other Subjects</td>
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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

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:

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.

Further Study:
Institute of Medical Laboratory Sciences.

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
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:
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.

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

Core Subjects: Chemistry, Biology, Microbiology, Haematology, Histochemistry, Management Studies, Psychology, Physiotherapy, Histopathology and Blood Transfusion.

Specialist Subjects: Microbiology, Histopathology, Haematology, Histochemistry.

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

Award: Graduates of this course are eligible for the following awards:
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.
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.
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.

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.
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:

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).
Applied Chemistry Option:

Applied Physics Option:

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 whole-time

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.

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<th>Subject</th>
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<td>Other Subjects</td>
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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 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:

Second Year:

Third Year:

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.

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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
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
- 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.
HONOURS DIPLOMA IN
ELECTRICAL/ELECTRONIC ENGINEERING

Former
College Code: SEE

CAO Code: FT21

Duration: Four years whole time

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

The following scores are awarded to grades A to C on the Higher
Leaving Certificate papers in Physics, Chemistry, Physics with

These scores are awarded for Higher Leaving Certificate papers only.

or

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


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:
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:

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 Opportunities:
Graduates of the course are employed in all areas of electrical/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.
WHOLETIME TECHNICIAN COURSES IN ENGINEERING

College Code: K.11
Form: WET
Date: 12th February
Closing Date: 12th February 1989

The course is designed to train technicians in appropriate subjects. It is intended for use in the following areas:

- Mathematics
- Applied Mechanics
- Physics
- Engineering Drawing
- Mechanical Workshop
- Principles of Electricity
- Electronics
- Electrical Power
- Economics
- Technical Drawing
- English
- Mathematics
- Applied Mathematics
- English
- Physical Applied Mathematics
- Mathematics
- Materials
- Hydraulics
- Thermodynamics
- Field and Circuit Theory
- Electronic Instrumentation
- Electrical Power
- Communication
- Technical English
- Technical German

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**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.

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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.

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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:


Second Year: Electrical Power Option:


Second Year: Control and Instrumentation Option:


Third Year: Electrical Power Option:

Third Year: Control and Instrumentation Option:

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

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, Physics, Engineering or Technical Subjects.
(b) Mathematics, Additional Mathematics or Higher Level Mathematics (5 subjects).
(c) Mathematics, Higher Level Mathematics, Further Mathematics, Physics, Engineering and English.
(d) Higher Level Mathematics, Higher Level Physics, Higher Level Technical Subjects, English, French.

Table:

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<th>Subject</th>
<th>Mathematics</th>
<th>Physics</th>
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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/WRTT), 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/WRTT

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

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<th>TCD Matric</th>
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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.

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
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.

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
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/WRTT) 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.
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
TECHNICIAN CERTIFICATE IN ELECTRONICS

College Code: K189

Former College Code: WRCE

Duration: Two years whole-time

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.

Entrance Requirements:

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.

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

(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.

(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
Course of Study:  First Year:


Second Year:


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
TECHNICIAN CERTIFICATE IN ELECTRONICS

College Code: WRCE

Former College Code: WRCE


Description: This is a broadly based course avoiding any specific specialization but with an approach which emphasizes the practical applied aspects of the subject. Students are aimed at those wishing to take up employment as technicians in the electronics industry.

Career Opportunities: Graduates of the course are primed to take on employment as maintenance technicians in the electronics industry.

Entrance Requirements: Students should possess a certificate level for Technical, Industrial or Commercial, or have literacy in the field of electronics and electrical technology.

To qualify for the course, one of the following qualifications must be obtained:

(a) Higher Level Mathematics and Science or
(b) Higher Level Mathematics and Electrical/Electronic Engineering

Graduates of the Certificate of the Admissions Office, Dublin Institute of Technology, 14 Upper Mount Street, Dublin 2.

Application Procedure: Applicants should apply on the standard U.L.T. Application Form to:

Closing Date: 12th 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.
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.
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
CERTIFICATE IN EUROPEAN LANGUAGES FOR BUSINESS

Course Code: 5514

The course is designed to train students to work as business assistants.

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.T.I. 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.
WHOLETIME COURSES FOR DRAUGHTSMEN

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.
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.
Department in Charge: Electrical Installation

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

   Telephone 970666

5. College of Marketing, and Design, 40 – 45 Mountjoy Square, Dublin 1.
   Telephone 363000

   Telephone 778903

7. Dublin Institute of Technology, 14 Upper Mount Street, Dublin 2.
   Telephone 766584
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- 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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<th><strong>College Code:</strong></th>
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<tr>
<td><strong>Description:</strong></td>
<td>This course is designed to update electrical craftsmen in Electrical Installation Technology</td>
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<tr>
<td><strong>Course Duration:</strong></td>
<td>Two years; two evenings per week</td>
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<tr>
<td><strong>Entrance Requirements:</strong></td>
<td>Prospective students must be electrical craftsmen employed in the electrical industry.</td>
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| **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

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
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 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.

Professor E. Duke, BSc PhD DSc
Dublin

Patrick Casey, FAOI, Athlone.

Professor M.G. Harrington, MSc PhD
FICI CBiol FIBiol FIFSTI
Dublin

Professor Ronan O'Regan, MD PhD, Dublin

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,  

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,  

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,  

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.
Insitute of Medical Laboratory Sciences
Assessors

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

National Examiner

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

National Examiner

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,

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

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

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

Colette Hatton, MSc FIMLS DipMedLmg
Dublin.

Thomas Moloney, BA FIMLS NDipIRS
Dublin.

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.

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 FICl
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,
Fachschule,
Köln, Germany.

Rex Roberts, BSc ABIPP
Dun Laoghaire, Co. Dublin.
Certificate in Professional Photography - Year III (Final Year). (Ref: PSP III).

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

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

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

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

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

Professor Georg Gutjahr, Fachhochschule, Köln, Germany.

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

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.

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

P. Vivion Tarrant, BSc PhD FICI Dublin.

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

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

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 MIEEE, Cork.

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).

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

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

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

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

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

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

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

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

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

Brian Sweeney, BE MBA CEng FIEI, Dublin.

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


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

C. Ralph, MSc, Dublin.

Christopher Lyons, PhD
University of Salford, England.

Glyn Hatherall, MA

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.

<table>
<thead>
<tr>
<th>NAME</th>
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<tbody>
<tr>
<td>Behan, James Joseph</td>
<td>Pass</td>
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<tr>
<td>Boulter, Brendan Anthony</td>
<td>Honours 2.1</td>
</tr>
<tr>
<td>Breen, Kevin</td>
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</tr>
<tr>
<td>Brennan, John Francis</td>
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<tr>
<td>Byrne, Jacqueline Mary</td>
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<td>Byrne, Paul</td>
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<tr>
<td>Chorbachi Auf Abdulrahman</td>
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<td>Compelli, Susan</td>
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<td>Dagg, Steven Robert</td>
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<td>Dineen, Joseph Noel</td>
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<td>Flanagan, John Michael</td>
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<td>Flynn, Patrick Gerard</td>
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<td>Forbes, George William</td>
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<td>Healy, Michael Francis</td>
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<tr>
<td>Irvine, Donald Alexander</td>
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<td>Kane, Eveline Heather</td>
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<td>Keany, John Gerard</td>
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<td>Kelly, Sean Mortimor</td>
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<td>Lappin, Victoria Rose</td>
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<td>Meehan, Andrew Michael</td>
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<td>Meskell, Paul Martin</td>
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<td>Messayeh, Sami Simon</td>
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<td>Moran Diarmuid</td>
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<td>O'Colmán, Aideen</td>
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<td>O'Donnell, Criona</td>
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<td>O'Shea, Mary Patricia</td>
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<td>Quigley, Anthony</td>
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<td>Slattery, John Ambrose</td>
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<td>Smith, Doreen Ellen</td>
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<tr>
<td>Whyms, Dermot Martin</td>
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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.

<table>
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<tbody>
<tr>
<td>Ballaouane, Ahmed</td>
<td>Honours 2.2</td>
<td>Keating, Donal Michael</td>
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<td>Devlin, Kevin Brendan</td>
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<tr>
<td>Grant, James John</td>
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DIPLOMA IN OPHTHALMIC OPTICS

<table>
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<tr>
<td>Ambrose, Caroline Ita</td>
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<td>Connolly, Claire Therese</td>
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<tr>
<td>Clarke, Martene Mary</td>
<td>Honours 2.2</td>
<td>Connolly, Mary Geraldine</td>
<td>Honours 2.1</td>
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<tr>
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<td>Cronin, Veronica</td>
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<td>Kavanagh, Fiona Maria-Goretti</td>
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<tr>
<td>Darzi, Vilma Anahid</td>
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<td>Leahy, Fiona Maria</td>
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<td>Day, Graham Paul</td>
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<td>Makada, Ahmed Essop</td>
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<td>Duggan, Regina Catherine</td>
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<td>McDermott, Mary Fiona</td>
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<td>Eustace, Siobhán Anne</td>
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<td>McCrudden, Niall Patrick</td>
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<td>Griffin, Helena Mary</td>
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<td>Nolan, Catherine Rena</td>
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<tr>
<td>Griffin, Joan Anne</td>
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<td>Purton, Julie Mary</td>
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<td>Harty, Roderick Martin</td>
<td>Honours 2.1</td>
<td>Raftery, Gillian Rosemary</td>
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<tr>
<td>Joy, Melina</td>
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**BSc(Human Nutrition)**

**Diploma in Human Nutrition & Dietetics**

<table>
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<th>NAME</th>
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<tr>
<td>Barnes, Elizabeth Ann</td>
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<td>O'Reilly, Adrienne Ellen</td>
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<tr>
<td>Holly, Katherine Mary</td>
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<td>Rice, Niamh</td>
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<tr>
<td>Jordan, Catherine Ann</td>
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<td>Shanley, Nuala Anne</td>
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<td>Kennedy, Elaine Joan</td>
<td>Honours 2.1</td>
<td>Smith, Mairéad Goretti</td>
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<tr>
<td>Markham, Maria Bernadette</td>
<td>Honours 2.2</td>
<td>Somerville, Jill Catherine</td>
<td>Honours 2.2</td>
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<tr>
<td>McNulty, Helena Mary</td>
<td>Honours 2.1</td>
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**Graduate Diploma of the Institute of Food Science & Technology**

<table>
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<tbody>
<tr>
<td>Choong, Ngok Kim</td>
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<tr>
<td>Connolly, Justine</td>
<td></td>
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<tr>
<td>Reid, Kevin</td>
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**Graduateship Diploma of the Institute of Biology**

<table>
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<th>NAME</th>
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</thead>
<tbody>
<tr>
<td>Gavin, Emmet</td>
<td>Honours 2.2</td>
<td>Sheehan, Paul</td>
<td>Honours 1</td>
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<tr>
<td>Lalor, Ann Bernadette</td>
<td>Honours 2.2</td>
<td>Sloan, Teresa</td>
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<tr>
<td>McKnight, Aine</td>
<td>Honours 2.2</td>
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</table>

**Graduate Membership Diploma of the Royal Society of Chemistry**

<table>
<thead>
<tr>
<th>NAME</th>
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<tr>
<td>Carney, Aideen Mary</td>
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<td>McNamara, Mary</td>
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<tr>
<td>Cunningham, Susan Mary</td>
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<td>O'Shea, Joseph Gerard</td>
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</table>
MEMBERSHIP DIPLOMA OF THE BRITISH COMPUTER SOCIETY

NAME
Davis, Brian

DIPLOMA IN FOOD SCIENCE

NAME
Cahill, Jean Maria
Choong, Ngok Kim
Conneely, Patrick Gerard
Corr, Barbara Anne
Farrell, Carmel Mary

AWARD
Pass
Distinction
Credit
Pass
Pass

NAME
Finnerty, Andrew Anthony
Martin, Eileen Patricia
McGuire, Denis Gerard
O'Connor, Rory
O'Riordan, Niall Thomas

AWARD
Pass
Pass
Credit
Credit
Credit

NAME
Cahill, Jean Maria
Choong, Ngok Kim

FELLOWSHIP OF THE INSTITUTE OF MEDICAL LABORATORY SCIENCES

NAME
Brennan - O'Shea, Ann
Brennan, Patricia
Clarke, Colette
Clarke, Dympna
Collins, Mary Bernadette
Cox, Gerard
Gallagher, Anthony Patrick
Grehan, David
Gill, James
Griffin, Aileen
Healy, Michele
Hopkins, Lesley
Keegan, Brendan
King, Theresa

NAME
Kirrane, Clare
Lambkin, Helen
Lynham, Ita
McCabe, Elizabeth
McCann, Ann Marie
McGrath, Patricia
McSherry, Carol
Meyler, Maureen
Murray, Maria
O'Connor, Daniel Joseph
Quigley, Frances
Seeley, Blaithnead
Twomey, Catherine

DIPLOMA IN MEDICAL LABORATORY SCIENCES

NAME
Ahern, Mary
Buckley, Eileen Patricia
Burke, Anne Therese
Burke, Paula
Butler, Brigid Margaret
Coleman, Eoin Thomas
Collins, Mary Geraldine
Connaughton, Mary Rita
Connell, William Bernard
Cotter, Yvonne Mary

AWARD
Pass
Pass
Credit
Pass
Credit
Pass
Credit
Pass
Pass
Pass

NAME
Curtis, Paula Mary
Deely, Patricia
Dowd, Anna Geraldine
Dowdall, Nicole
Felle, Pauline Genevieve
Fitzpatrick, John
Fitzpatrick, Elizabeth
Frize, Kathleen
Gallagher, Concepta Frances
Garland, John Paul

AWARD
Pass
Pass
Credit
Credit
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Pass
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<th>NAME</th>
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<tbody>
<tr>
<td>Gill, Patrick Martin</td>
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<td>Murphy, Daniel Joseph</td>
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<tr>
<td>Hodnett, Catherine</td>
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<td>O'Brien, Nuala</td>
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<tr>
<td>Lambkin, Imelda</td>
<td>Credit</td>
<td>O'Connor, Brigid</td>
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<tr>
<td>Lee, Barbara Christina</td>
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<td>O'Shaughnessy, Patricia</td>
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<td>Linehan, Elizabeth Mary</td>
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<td>Lunney, Geraldine Margaret</td>
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<td>Quigley, Philomena Mary</td>
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<td>Lynch, Patricia Josephine</td>
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<td>Rooney, Sean</td>
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<td>McCloskey, Helen Patricia</td>
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238
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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.

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ENGINEERING COUNCIL PART II

NAME

Farnan, Martin
Gorman, Peter
### Technician Engineering Diploma – Electrical Engineering

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### Technician Engineering Diploma – Telecommunications & Electronics

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### Technician Diploma in Electronic Engineering

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## TECHNICIAN CERTIFICATE IN ELECTRONICS

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## ELECTRICAL TECHNICIANS’ CERTIFICATE

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## CERTIFICATE IN EUROPEAN LANGUAGES FOR BUSINESS

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

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# EXTERNAL AWARD OF CERTIFICATE IN MEDICAL LABORATORY SCIENCES FOR MEDICAL LABORATORY ASSISTANTS – LESOTHO

## February 1986

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## November 1986

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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.

Mairead 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.
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

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 Sphygmanometer”

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”
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.


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.


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.


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. (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. (1984). Senior Travelling Fellowship from the Royal Irish Academy, for travel to conferences and hospital departments in U.S.A.

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


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.


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


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.


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 SO₂ and NO₂ 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


256


Goldsmith, B. and Gobel, R. (1986). Essentially indecomposable modules which are almost free; in press.


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.


O'Sullivan, B.A. and Cogan, D.J. (1986). Towards a Technology Policy for Ireland. NBST.


271
STAFF PRESENTATIONS
1st January 1982 – 31st December 1986


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.


Hussey, M. (1984). Recent advances in diagnostic ultrasound; Annual meeting of the Irish Association of Physical Scientists in Medicine, Blarney, April.


279


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 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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