College of Technology, Bolton Street Prospectus 1966-67

City of Dublin Vocational Education Committee

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Rev Monsignor J O'Regan STL PP Parochial House Clondalkin Co Dublin
Mr Sean O'Hanlon PC 1 Turlough Gardens Philipsburgh Avenue Fairview Dublin 3
Mr Michael Scott FRIAI 19 Merrion Square Dublin 2
Mr A Harkin Chief Engineer Electricity Supply Board 27 Lower Fitzwilliam Street Dublin 2
Mr Thomas Bridgeman 'Treetops' Swords Road Santry Dublin 9
Mr Donal F O'Dwyer Principal College of Technology Bolton Street
Mr John D Barry Deputy Principal College of Technology Bolton Street
Architecture
J P Alcock BArch FRIAI
F B Meehan MArch ARIBA
H S Robson BSc BArch MRIAI ARIBA
D O'Toole FRIAI AMTPI

Town Planning
L Canvill DipArch (Liv) DiplCivic Des (Liv)
ARIBA AMTPI
J Conway BE AMTPI
G Meagher BComm DPA
M O'Brien BE AMTPI
Institute of Quantity Surveyors
B V Boyle FIOQS
G N Semple AIQS
N Power-Smith AIQS
Building Surveyors' Institute
John J Barreto FBSI
Incorporated Association of Architects and Surveyors
Stanley J Coggin FIAS FIARB

Building Technology
Institute of Building
J Jennings FIOB
D Melvenna FIOB
L Thompson BAI MICE FIIOB
P McGuinness FIIOB
J G McCormack FIIOB
W H Goody FIOB

Mechanical Engineering
J Cassidy General Secretary National Engineering Union 33 Gardiner's Place Dublin 1
A P Tuke General Secretary Irish Engineering
Industrial & Electrical Trade Union
6 Gardiner's Row Dublin 1

H T Hanlon Irish Engineering Industrial & Electrical Trade Union
P J Buckley Irish Engineering Industrial & Electrical Trade Union
F Gray Personnel Officer Coras Iompair Eireann Amiens Street Dublin 1
H Lennox General Manager Liffey Dockyard Co East, Wall Dublin 3
S O'Flaherty Managing Director Messrs Motor Distributors Ltd Naas Road Dublin 8
John Watz SF Ranelagh Road Dublin 6
T W Bamford Managing Director
Universal Fabricators
J C Tonge Tonge & Taggart
H Farrelly Districc Secretary United Society of Boilermakers and Iron and Steel Shipbuilders 56 Strandville Avenue Dublin 3

Heating and Ventilating Engineering
(Technician + Technological Courses)
Eoin O'Gionna BE MICE AMIIE MHVE
MASHRAE MConEI Hon Secretary The Association of Consulting Engineers of Ireland
Noel Traynor AMIIE Hon Secretary The Association of Master Plumbers Heating & Ventilating Engineers of Ireland
Seamus Homan AMIIE Design Engineer
Yarmg & Mulcahy Consulting Engineers
Robert Jacob & Eamonn O'Brien
Consulting Engineers
Reginald Keating GHVE Hon Secretary The Association of Design Engineers & Draughtsman

Surveying
Royal Institution of Chartered Surveyors
H C Tierney FRICS
R H White BE BSc FRICS

G M Costello FRICS
A Williams FRICS
N J Dooley FRICS
A J Fleming ARICS
N McDonagh ARICS
D T McCarthy FRICS
S McKenna ARICS
Ian Roberts FRICS

Bricklaying
Master Builders' Association
Patrick McGinness
Brick & Stonelayers' Society
Francis O'Connor
James Farrell
Patrick Holohan
Carpentry + Joinery and Woodcutting
Machinists' Work
James Carroll
Amalgamated Society of Woodworkers
William Joyce
C Clarke
Irish National Union of Woodworkers
Gerard Wall Secretary Irish Society of Woodcutting Machinists
J G McCormack
Master Builders' Association
H R Armstrong Messrs Brooks-Thomas & Co

Furniture Trades
D McCarthy O'Dea & Co Ltd
P F McGrath
Irish National Union of Woodworkers
J Carroll
Amalgamated Society of Woodworkers
G L Wall
Irish Society of Woodcutting Machinists
D Bowden J V Bowden & Co Ltd
J R Hunter J R Hunter & Co Ltd

W Robinson
National Union of Furniture Trade Operatives
52 Peter's Hill Belfast 13 Northern Ireland
P Marrey
Furniture Manufacturer
20a St Joseph's Parade Dublin 7

Plastering
Gerald Doyle Secretary Operative Plasterers' Trade Society
Leo Crawford
Donal O'Reilly
Operative Plasterers' Trade Society
T Byrne M Creedon Ltd 3 Ardee Road Dublin 6
J H Parsons Master Builders' Association

Plumbing
J N Traynor
A J Gallagher
Thomas Finlay
Association of Master Plumbers Heating & Ventilating Engineers of Ireland

Plumbing Trades' Union
A Mullins
J Neary
J Donnelly
Plumbers' Glaziers' and Domestic Engineers' Union
T Murphy
P Ferris
P Byrne
M Slavin

Vehicle Building
National Union of Vehicle Builders
F Stewart
M Fitzpatrick
G J Roberts Coach and Motor Body Builder
3A Lower Grangegorman Dublin 7
M F Gavigan c/o R Callow & Sons Ltd
Westland Row Dublin 2
Aeronautical Engineering
P Delaney Aer Lingus Teo Dublin Airport
Lieut-Col J Teague Army Air Corps Baldonnel
Capt P G McCabe Aeronautical Officer
Aviation Division Department of Transport & Power
Motor Engineering
A McAuley BSc Assistant Mechanical Engineer (Road) CIE
Charles Warren
Society of Irish Motor Traders
P Thewlis President Irish Automobile Drivers’ & Auto-Mechanics’ Union
99 Drimnagh Road Dublin 12
A P Tuke
General Secretary Irish Engineering
Industrial and Electrical Trade Union
6 Gardiner’s Row Dublin 1
J D Pearson Smith & Pearson Ltd
A Davidson Kennan & Sons
D Purdy Smith & Pearson Ltd
J A Coffey
Irish Engineering Industrial & Electrical Trade Union
Printing & Book Production
Irish Printing Federation
B McSweeney
A Field
C J Warren
R R Yates-Hale
L C Jacob
A J Wilson
Irish Graphical Society
N C McGrath
B O Cearbhaill BA LLB
E Dignam Stereotypers’ Society
J Cullen
Irish Bookbinders’ & Allied Trades’ Union
A Kavanagh
Lithographic Artists’ and Process-Workers’ Society
J Jeffers Photo Engraving Group
B Hampton
Amalgamated Society of Lithographic Printers

Principal
Donal O’Dwyer BArch FRIAI
Deputy-Principal
John D Barry MSc BE MIMechE MICE
School of Architecture Surveying and Building
Head of School: Vacant
Assistant Head: Albert J Brady BArch MRIA1
School of Engineering
Head of School: The Deputy-Principal
Assistant Head (Acting): Denis Fitzgibbon
BE CEng AMI MechE
School of Printing and Book Production
Head of School: William J Fitzpatrick
AMIOP
Assistant Head: Christopher J McCullagh
Final C & G
School of Trades
Head of School: John B Hickey BA
Senior Chaplain:
Rev John McAvo SJ
Secretary/Registrar
Liam O Dúlacháin FCPA FICA
Office: College of Technology Bolton Street Dublin 1 Telephone 49913 (8 lines)
School of Trades Yarnhall Street Dublin 1 Telephone: 49873/4
Annex 62 Eccles Street Dublin 7 Telephone: 41268
Academic Staff
School of Architecture Surveying + Building

School of Architecture Surveying + Building
Head of School: Vacant
Assistant Head: Albert J Brady BArch MRIAI

Department of Architecture + Town Planning
Head of Department: Albert J Brady BArch MRIAI
Assistant Head: John J O’Keeffe BArch MRIAI

Whole-time Staff
Liam Carlin BArch MRIAI ARIBA AMTP1
Michael Clifton BE AMICE
Kevin Fox BArch MRIAI
William Gilligan BArch MRIAI
Maurice Hogan MRIAI
Anthony Johnson BArch MRIAI ARIBA
Seamus O'hAnnain ATO (London)

Part-time Staff
Louis Carville DipArch DipCivicDes ARIBA AMTP1
John S Conway BE DipTP (Housing)
AMTP1 AMICE
Una Craddock ANCA
Patrick Delany BArch MRIAI AMTP1
Gerard M Farian BSc
John J Gallagher BSc
Leonard Gallagher BArch Sc
John Gilroy DipArch MRIAI
James Greenfield BA MCD AMTP1
James J Harrington
Robert Noel Hayes BE MSc
Brian Hogan BArch ARIBA
Piaras Mac Gonnaigh BArch MRIAI
Raymond McDonnell BArch MRIAI
John E McGlothin DipArch MRIAI
Eoin McVeigh DipArch MRIAI ARIBA

Leo Mansfield DipArch MRIAI
Sean Murphy DipArch MRIAI
Naish O'Dowd DipArch MRIAI
Dr Anthony Orme BA PhD FGS
Michael O'Sullivan DipArch MRIAI
Michael Phillips BArch MRIAI
Sean Rochery BArch MRIAI ARIBA
Richard Stringer BArch ARIBA AMTP1
Robin Walker BArch MRIAI
Department of Surveying + Building Technology
Head of Department
*Assistant Head
*This Division has recently been up-graded to the status of a Department of the College and these appointments have not yet been officially made
Head of Division: Christopher W Parfit
FRICS FRSt FRArb

Whole-time Staff
Eanna de Burca ARICS
Thomas Carroll MHIA DipPPI (Seconded from the Department of Health)
Seamus Cunningham MI(Hons)
Christopher Curran AIOB
Una Gillespie BSc
Daniel Kelly BE
Sean Loftus Barrister-at-Law
Patrick McGinness FIOB
Richard Morrison BSc FRICS
Kevin Murnane ARIBA
Patrick Nugent ARICS
Cornelius Power MEconSc BComm ACIS
ACoMM

Part-time Staff
Maurice Brogan ARIBA MRIAI
Stanley Coggan FIAS FRArb

Academic Staff
School of Architecture Surveying + Building

Patrick J Conroy MHIA
Dr Ronald Cox MA MAI PhD AMICE AMICE
James Culliton FBSI
Richard Deegan ARPS
Dermoe Doorley AMInstCE
Anthony Fitzpatrick BComm
Albert Fleming FRICS
John Furey DipHS DipPPI DipPA MHIA AMPHIA
Dr Derek Goodhue PhD BSc
Cornelius Healy MHIA
Seamus Homan AMHIHE
Liam Jones MBA BComm
Richard Laher MHIA DPPHI
Michael Maguire MHIA
Barry McHugh ARICS
Terry McLaughlin ARICS
Michael McNulty MHIA DPPHI
Oliver McNulty GradStructEng
Phillip Molloy MRIAI
Laurence Mullen BA MHIA
Gerard Murphy MRSM MRPGPH
Mary J Neylon Barrister-at-Law
Michael A Nugent MHIA DPPHI
Mannix O’Boyle MRCVS
Eamonn J O’Brien AMHIHE
Thomas J O’Brien MHIA DPPHI
Patrick Callinan FRICS
Mary O’Doherty BA(Mod) BSc
Kevin O’Halloran MBA BComm
Derek Ryan ARIBA
G Neville Semple AIOS
Elizabeth O’Shaughnessy BArch
Dr John Walker MB BCh BOA
Cape M Walsh OS BAI
Thomas D Watson MHIA
Arthur West BAI

Department of Building Trades
Visiting Lecturers
David Bailey FRICS
John MacD Broadhead MA FRICS
Noel J Dooley FRICS FraB
Noel McDonagh FRICS
Kevin J Nowlan BSc BE MRIAI
Barrister-at-Law
Ian Roberts MA BArch(Cambs) FRICS
Richard White BE BSc FRICS
Aiden Williams FRICS

Department of Building Trades “A” (Bricklaying and Masonry Furniture plastering Painting and Decorating Vehicle Building Vehicle Trimming and Vehicle Painting)
Head of Department:
Robert C Grimes FTC (C & G)
Head of Furniture Division:
Michael C Murray Hons C & G

Whole-time Staff
Charles Costello
Frederick Hosford
Joseph Lawlor
Gerald O’Toole

Part-time Staff
Christopher Byrne
Francis D Caulfield
Denis Cox
James Farrell
James Fitzpatrick
John Kenny
Patrick Lawlor
Sean Mac Connul
John McColl
Liam Milner MSIA
John P Stephens
John Thorpe
Department of Building Trades “B”
(Carpentry and Joinery and Woodcutting Machinery)
Head of Department: Thomas Bridgeman
ABICC FTC (C & G)
Aidan Halpin ABICC Final C & G
Patrick Kelly Final C & G
Thomas Kiernan FTC (C & G)
Michael McDonnell
John McGurk

Whole-time Staff
Michael Bridgeman
Thomas Byrne
Andrew Dunne FTC (C & G)
Brendan Dunne Bldg SI InOIB
Aidan Halpin ABICC Final C & G
Patrick Kelly Final C & G
Thomas Kiernan FTC (C & G)
Michael McDonnell
John McGurk

Part-time Staff
Louis Byrne ABICC
Donal Cooper
Patrick Hannigan
Sean Rogers Final C & G
James Wall

School of Engineering
Head of School: John D Barry MSc BE
MlMechE MlCE
Assistant Head (Acting): Denis Fitzgibbon
BE CEng AMlMechE

Department of Engineering Technology
Head of Department (Acting): Denis Fitzgibbon
BE CEng AMlMechE
Assistant Head of Department (Acting): Michael O’Donnell MEngSc BE BComm CEng AMlProdE

Whole-time Staff
Michael Clifton BE AMlCEI
Jeremiah T Cotter BSc
Neil Gillespie GradlMechE GIEVE
Denis Healy MSc BE AMlAI IE
Gerard Lawlor MSc
John McQuillan CEng AMlMechE
Donal Murphy
Henry J O’Neill CEng AMlProdE
Louis R Purton BSc
Michael Swords BSc (London)
Henry F Taylor CEng AMlMechE

Part-time Staff
Edward Tunde Boardman
John Raymond Bolger
John B Broderick MSc
Philip Brunkard GIEVE
Richard Bunyan BE GIEVE
Patrick F Cooke BE AMlCEI AMlCEI
James Daly
Richard Daly
Edward P Dunne CEng AMlMechE AMlCEI
Patrick J Dunphy DipEng GIEVE
Bernard E Fee
Finbar Fitzgibbon BE
James J Harrington
Lewis Healy BE
Seamus J Homo AMlHEVE
Stanislaus Kenny BE MlCE AMlCEI
Padraig MacLoughlin
Michael McSweeney
Raymond Mascal BE
Eamonn J O’Brien AMlHEVE
William Rex O’Brien AMlStructE
Aidan O’Connor DipEng
Richard F O’Leary
James P Owens BE
James Roche
Declan Ryan BE
David Semple

James B Tigue BSc
Andrew Whelan ME AMlCEI AMlCEI
Frank Wight AMlBF HNC

Department of Science and Mathematics
Head of Department: James A Numan BSc HDipEd
Assistant Head: Gerard Lawlor MSc

Whole-time Staff
Jeremiah T Cotter BSc
Una Gillespie BSc
Matthew Niall MSc BComm
Marguerite O’Kelly BA DipSciSc
BSocSc HDipEd
Louis R Purton BSc
Michael Swords BSc (Lond)
Mary Tully MSc HDipEd

Part-time Staff
Patrick J Allen BA HDE(Hons)
William E Boyers BA HDipEd BSc
Paschal C Brennan BA
Elizabeth Clancy MSc
George Daly BA
John J Delahunty
Catherine Essig
Gerard M Farren BSc
Martin Flinter MSc
John J Gallagher BSc
Edward P Lynch BA
Owen McBreen MSc
James P McLaughlin BSc
Patrick M Maguire BSc
Seamus O’Dea MA HDipEd
William J O’Doherty BA HDipEd
Raymond J O’Kelly MSc
Brian O Lochlann

Academic Staff
Department of Engineering Trades
School of Engineering

Academic Staff
Department of Science + Mathematics
Department of Engineering Trades
School of Engineering

Aodh O Ruairi
Denis F O’Sullivan MSc
Desmond A Seannell BSc
Patrick F Walsh

Department of Engineering Trades
Head of Department: Thomas McCarthy
Assistant Head: John Gribben MI (Hons)

Whole-time Staff
Desmond Aungier
Denis McGrath
Charles B O’Brien
Joseph Shiel

Part-time Staff
Rupert J Barry
Patrick J Buckley
Patrick A Burke
Patrick T Byrne
Niall Dardis
John O’Ara AMlMarE
Peter Deane
Christopher Duffy
William Fleming
Anthony Gannon
John Gayner
William D Hughes
William Kennedy
Peter Kenny
James F Lawless
John Moran
Gerard F Murphy
Timothy P Murphy MI MarE
Desmond O’Carroll
Peadar O’Farrell
Sean O’Farrell
Andrea O’Hanlon
Liarn R Wynne
Department of Aeronautical Engineering
Head of Department: Thomas Mcinerney
AHSAE ACD & X Licences
Assistant Head: Vacant

Whole-time Staff
William J Brazil

Part-time Staff
James Roger Bourke
Daniel Brennan A & C Licence
James Coleman X Licence PNG
Eamonn K Dempsey
James Donohoe AME
Albert Doody AME
Thomas Higgins AME
James S Hogan AME
Patrick Hogan AME
John A Hughes
Denis McMahon
Patrick M Murphy LAE
Edwin T O'Connor
Andrew O'Neill AME
Denis O'Regan
Joseph F Walsh ASLAE
Douglas Wilson

Department of Motor Engineering
Head of Department: John J Guirke AMIMI
Manual Instructor's Cert (Honours)
Assistant Head: Richard J Dowling MIMI

Whole-time Staff
John A Butler AMiniSt DipEng GIMechE
Timothy Giblin
Alan Harbron
Michael Kelly
James McGauran
John J O'Brien
Paul Purcell

Part-time Staff
Charles A Bryan AMIMI
Fintan Byrne GradIMI
Thomas Carroll
Michael J Chester
William J Costello DipEng GIMechE
William J Doherty
Patrick Furey
Vincent Hand
Laurence F Higgins
Brendan A Kelly
Patrick Lamon
Michael Long
Arthur McDermott AMIMI
Donal McGonell
Stephen Mason
Patrick Murray
John O'Gorman GradIMI
Michael O'Neill GradIMI
Desmond Maguire

Department of Plumbing Welding and Metal Fabrication
Head of Department: John J Bolton
AMIInstF FTC (C & G)

Whole-time Staff
James F Bartley Final (C & G)
Nicholas Murray AlnstW
Anthony O'Toole FTC (C & G)
Joseph Quinn AlnstW
Brendan Rooney ClanstW Final (C & G)
Daniel Rooney

Part-time Staff
Joseph Noel Armstrong C & G Tech
Patrick Bolton
James Bryan Final C & G
Seán Buckley BCD

Academic Staff
School of Printing: Book Production

Academic Staff
Department of Aeronautical Engineering
Department of Motor Engineering
General Regulations

General regulations for Schools and Classes operating under the Authority of the City of Dublin Vocational Education Committee are displayed in the Entrance Hall. All students are subject to these regulations.

Whole-time Courses

Students are admitted at the commencement of the session in September. Applications for admission should be submitted as soon as possible, preferably before the 1st June, on the form obtainable from the Secretary. Candidates awaiting results of examinations may make provisional application. Qualified applicants will be called for interview in September, and may be required to take an entrance examination. Documentary evidence of qualifications should accompany all applications.

Technician Courses

Admission is confined to candidates who have attained such a standard of general education as will enable them follow all the subjects of their course. Details of special entrance requirements are shown in the relevant sections of this prospectus. Application requirements are similar to those for whole-time professional courses.

Trade Courses

These classes are provided for the sole purpose of supplementing the practical training of persons actually employed at and engaged in the various occupations of the trade. The College Council realises that it is impossible for a person to learn a trade solely by attendance at these classes and is further of the opinion that the admission to the classes of persons not actually engaged in the trades would be not only of little use to such persons but would prejudicially affect the instruction of those for whom the classes have been organised. Accordingly, the College Council reserves the right to restrict enrolment in the trade practical classes to those persons who are actually employed in the several processes and operations of the trade. For admission to these classes proof of actual employment in the several processes and operations of the trade will be certificates to that effect from the Masters' Associations and/or the official Trades Unions of the trade concerned.

Applications from Foreign Students must be accompanied by a letter of recommendation from the diplomatic representative of his country in Ireland or where there is no such representative, from the Ministry of Education in his country.

Attendance

The Vocational Education Committee may exclude any student from the College without refund of fees for irregular or unpunctual attendance or misconduct, or for any other reason which in the opinion of the College Council justifies exclusion. Three successive absences in any one class subject may lead to suspension from the complete course unless the Principal is informed in writing of the reason.

Changes in Class

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

Change of Address

Change of address or place of employment should be reported to the Office immediately.

Change of Classes

No exchange of classes may be made without the consent of the Head of Department.

Loss of, or Damage to Personal Property

While every reasonable precaution is taken, the College cannot accept responsibility for damage to or loss of students' property. Bicycles and motorised cycles brought to the College premises by students should be locked and placed in the storage spaces provided. Costs, books, etc., should be clearly marked with the owner's name.

Damage to Equipment and Premises

The cost of the repair or replacement of College property damaged by a student shall on demand be paid to the College Authority by the student responsible for such damage.

Sessional Examinations

Examinations are held at the end of Session, no student shall be admitted to the Examinations who has not made at least three-fourths of the possible attendance except in special circumstances and at the discretion of the Head of Department. Promotion to a Higher Stage of Instruction in any subject is contingent on passing the Sessional Examination in the Lower Grade.

Homework

Students are required to submit regularly such homework as may be prescribed by members of the teaching staff.

Laboratory Record

An Experimental Record Book is required to be maintained by each student of a Laboratory Class; an assessment shall be made at the end of Session of each student's progress in Laboratory Techniques and experimental ability which will count in the Sessional Examination in that subject.

Discipline

Any member of the teaching staff issuing a directive to any student misleading himself on the College premises is authorised to enforce disciplinary measures, and the Principal may immediately suspend the student(s) pending a hearing of the charges by the College Council. Students must enter and leave the College buildings in a quiet and orderly manner, and must refrain from making unnecessary noise in corridors or classrooms.

The full co-operation of each student is invited in order to maintain the dignity and discipline of the College.

General Information

Day Classes will normally be held from 9 a.m. to 10.45 a.m. and 1.45 p.m. to 3.45 p.m. except Wednesday afternoon and Saturday and Monday from 9 a.m. to 12.30 p.m. and 1.45 p.m. to 3.45 p.m. except where shown otherwise.

Office Hours: 9 a.m. to 12.30 p.m. and 2 p.m. to 5 p.m. Monday to Friday, and at special periods of the year at times which will be published on the Notice Board.
of the teaching staff will not be available for interviews except by prior appointment.

Fees
Fees are payable on enrolment and no student will be permitted to attend any class until the proper fees have been paid. Guarantees may be accepted from local authorities, educational establishments or employers. Fees will not be refunded except where a course does not form or where a student, with the consent of the Head of his department, withdraws his application before the commencement of the course.

Examinations
Closing dates and fees for examinations conducted by the Department of Education, the City and Guilds of London Institute and other bodies are displayed on the College Notice Board as they occur. An entrance fee of 2 guineas is payable in respect of the First, Second and Third Year Examinations in Architecture. A candidate may be permitted to sit for one supplementary examination without payment of a further fee.

Library
Students attending full-time and part-time day courses have access to the College Library. By arrangement with the Corporation of Dublin, the College Librarian can obtain from any of the public libraries in Dublin any special reference book or text book required by a student. The removal of books or journals from the library is not permitted.

Refectory
The students' Refectory is open throughout the session for lunches, teas and morning and afternoon teas and coffee.

1. Technological and Technician Courses (day)
   Architecture, Surveying and Building
   D/1 Architecture. Whole-time.
   Whole-time. Technicians' Certificate.
   D/4C. Course for Building Technicians (progressively supersedes Part-time course in Quantity Surveying). Part-time.
   D/7. Health Inspectors' Diploma Course, Sandwich.
   Engineering
   D/40 Pre-professional Course in Engineering. Whole-time.
   D/42. Diploma Course in Mechanical & Production Engineering. Part-time.
   D/42C. Mechanical Engineering Technicians' Course. Part-time.
   D/43. Engineering Draughtsmanship. 1st Year. Whole-time. 2nd & 3rd Year Part-time.
   D/44. Automobile Engineering Technicians. Sandwich.
   D/46. Engineering Apprentices' Courses. Sandwich.
   D/47. Trainee Draughtsmen. Sandwich.

Printing + Graphic Design
D/82. Training for Administrative Staff. Part-time.

2. Technological & Technical Courses (evening)
   Architecture, Surveying and Building
   E/18. Course for Building Technicians (progressively supersedes course in Building Technology.
   E/2. Land-surveying and Levelling.
   E/3. Timber Technology.
   Engineering
   E/40. General Certificate in Education.
   E/41. Graduate Courses in Engineering.
   E/42. Certificate Engineering Technicians' Course.
   E/43. Engineering Draughtsmanship.
   E/44A. Mechanical Engineering Technicians' Course.
   E/44B. Jig & Tool Design Technology.
   E/46. Aeronautical Engineering Technicians.
   E/47. Diesel Maintenance.
   E/49. Automobile Engineering. Printing
   E/81. Printing Technology.
   E/82. Training for Administrative Staff.
   E/86. Typographic Design and Layout.
   E/89. Basic Diploma Course in Advertising.
   E/90. Diploma Course in Advertising.

Short Courses
Each session, short courses are held consisting, usually, of eight to twelve lectures
relating to special aspects of Building, Engineering or Printing Technology. Details of these short courses are advertised in the daily newspapers.

3. Trade Courses (day)

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<tr>
<td>D/104. Coach Painting, Part-time.</td>
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<tr>
<td>D/108. Woodcutting Machinists’ Work.</td>
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<td>Part-time.</td>
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4. Trade Courses (evening)

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<td>E/102. Furniture Trades.</td>
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<td>E/103. Carpentry and Joinery.</td>
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<tr>
<td>E/104. Coach Painting.</td>
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<tr>
<td>E/105. Painting and Decorating.</td>
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<tr>
<td>E/106. Plumbing.</td>
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<tr>
<td>E/108. Woodcutting Machinists’ Work.</td>
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<tr>
<td>E/110. Plastering, Engineering</td>
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5. Part-time.

D/192. Lithography and Photo-Lithography, Block Release.

A 5-year day course to bring students to the standard of the Final Examinations of the Royal Institute of Architects of Ireland

Entrance Standard
The preliminary educational qualifications required for enrolment are as follows—

1. (a) Matriculation of the National University of Ireland.
   (b) Matriculation of London University.
   (c) Matriculation of Queen’s University, Belfast.
   (d) An Examination exempting from any of the foregoing.
   (A candidate claiming exemption from any of the following subjects:
   The applicant shall have passed in the following subjects:
   1. Mathematics.
   2. English.
   3. French, German, Italian or Spanish.
   And passed in at least two of the following subjects:
   4. (a) One or more other Languages
   (including those listed under (3)).
   (b) Physics.
   (c) Chemistry.
   (d) Mechanics (or Applied Mathematics or Mathematical Physics).
   (e) History.
   (f) Geography.
   
Note:
Up to 1967, Irish will also be accepted under 3 above.
Candidates who have Matriculated on or before 1966 or who have passed a recognised qualifying examination as defined under 1 (a), (b), (c) or (d) may present an alternative sec of subjects as follows—

1. Mathematics.
Fifth Year
Studio Work; Structural Engineering; Professional Practice; Town Planning (Theory); Specifications and Materials.


Fee £50 per annum.

D/2B. Higher Building Technicians' Certificate Course
A pass level course leading to a Certificate in Building Technology. The course is of three years' duration and designed to prepare students for Licensateship of the Institute of Building and the Building Surveyors' Institute and Technician Membership of the Incorporated Association of Architects and Surveyors.

Subjects:
First Year
Mathematics; Science; Logic; History and Structure of the Building Industry; Principles of Accountancy; Functional Elements of Construction.

Second Year
Building Science; Building Construction and Services (Elements); Land Surveying and Setting Out (Elements); Site and Office Organisation; Works Study and Costing (Elements); Equipment and Safety Regulations.

Third Year
Principles of Structural Design; Building Construction and Services (Advanced); Building Law; Building Economics; Measurement and Price Building; Land Surveying and Setting Out (Advanced).

Practical Experience:
Students are required to gain Industrial and Professional experience during the extended summer vacations.

Entry Qualifications:
(a) The Secondary Schools Leaving Certificate.
(b) The Matriculation Certificate of a recognised University.
(c) The General Certificate of Education.

Fee £60 per annum.

D/3B. Diploma Course in Environmental Economics (Progressively supersedes Course in General Surveying)
An honours level course leading to a Diploma in either Estate Management or Town Planning. The course is of four years' duration and designed to prepare students for Associateship of the Royal Institution of Chartered Surveyors, The Institute of Building, The Building Surveyors' Institute, The Institute of Quantity Surveyors and the Incorporated Association of Architects and Surveyors.

Subjects:
First Year
Mathematics; Science; Logic; Human Organisation and Environment; Principles of Law; Mathematical Statistics; Principles of Accountancy; Economics; Functional Elements of Construction.

Second Year
Building Science; Building Construction and Services; Law of Contract; Law of Property (Elements); Planning and Compensation Law; Environmental Economics; Environmental Law; Building Law; Building Economics; Measurement and Price Building; Land Surveying and Setting Out (Advanced).

Entry Qualifications:
(a) The Secondary Schools Leaving Certificate with a minimum of two subjects at honours level.
b) The Matriculation Certificate of a recognised University with six subjects at the one sitting.
(c) The General Certificate of Education with a minimum of two subjects at Advanced level.

Dip/B, Diploma Course in Construction Economics (Progressively supersedes Courses in Building Technology and Quantity Surveying)
An honours level course leading to a diploma in either Building Management or Quantity Surveying. The course is of four years' duration and designed to prepare students for Associateship of the Royal Institution of Chartered Surveyors, The Institute of Building, The Building Surveyors' Institute, The Institute of Quantity Surveyors and the Incorporated Association of Architects and Surveyors.

Subjects:
First Year
Mathematics; Science; Logic; History and Structure of the Building Industry (Introductory); Principles of Law; Mathematical Statistics; Principles of Accountancy; Economics; Functional Elements of Construction.

Second Year
Building Science; Building Construction and Services (Elements); Law of Contract; Law of Property; Land Surveying and Setting Out (Elements); Site and Office Organisation; Works Study and Costing; Quantities (Elements); Structure of the Industry (Communications).
Part-time Course for Building Technicians

Third Year
Principles of Structural Design; Building Construction and Services (Advanced); Law of Obligations; Rights and Easements; Land Surveying and Setting Out (Advanced); Project Planning and Network Analysis (Elements); Estimating (Elements); Quantities (Intermediate); Repair and Maintenance of Buildings; Structure of the Industry (Economical).

Fourth Year
Diploma in Building Management
Principles and Practice of Management; Project Planning and Network Analysis (Advanced); Estimating (Advanced); Computer Applications; Arbitrations and Building Contracts; Thesis on an aspect of the Industry.

Diploma in Quantity Surveying
Quantities (Advanced); Cost Planning and Research; Economics of Building Construction and Development; Computer Applications; Arbitrations and Building Contracts; Thesis on an Aspect of Cost Research.

Practical Experience
Students are required to gain Industrial and Professional experience during the extended summer vacations.

Entry Qualifications
(a) The Secondary Schools Leaving Certificate with a minimum of two subjects at honours level.
(b) The Matriculation Certificate of a recognised University with six subjects at the one sitting.
(c) The General Certificate of Education with a minimum of two subjects at advanced level.

Fee £50 per annum.

D/HC, Part-time Course for Building Technicians (Progressively supersedes Part-time Course in Quantity Surveying)
The course is of four years duration with attendance on one whole day and two evenings each week and is designed to prepare students for the Advanced Technological Certificate examinations of the Department of Education and the Construction Technicians' Certificate Examination of the City & Guilds of London Institute (which leads to Technician Membership of the Institute of Building).

Subjects:
First Year
Building Science; Building Construction and Services; Building Calculations; Principles of Structural Design.

Second Year
Building Science; Building Construction and Services; Building Calculations; Safety Regulations; Principles of Structural Design.

Third Year
Building Construction and Services; Measurement and Price Build-up; Land Surveying and Setting Out; Elements of Administration.

Fourth Year
Building Construction and Services; Measurement and Price Build-up; Land Surveying and Setting Out; Elements of Administration.

Town + Country Planning
Diploma Course in Health Inspection

Practical Experience
Students are required to be employed in the Building Industry.

Entry Qualifications
(a) The Secondary Schools Leaving Certificate.
(b) The Matriculation Certificate of a recognised University.
(c) The General Certificate of Education.

Fee £25 per annum.

D/6, Town and Country Planning
This is a 3-year post graduate course to prepare students for the Final Examination of the Town Planning Institute. It involves part-time day and evening attendance.

Entrance Standard
Students are required to have passed or to be eligible for exemption from the Intermediate Examination of the Town Planning Institute.

The subjects of instruction are as follows:
- Town Planning Practice (Lecture & Studio Work), Historical Development of Planning, Outline of Social & Economic Organisation, Economics of Land Use, Law in Relation to Planning, Civil Engineering in Relation to Planning, and Architectural Landscape Design in Relation to Planning.
- To be taken by architect students only.
- To be taken by engineer students only.

Fee £50 per annum.

D/7, Diploma Course in Health Inspection
A course of four years duration organised in consultation with the Department of Health and the Health Inspectors' Training Board. The Department of Health is responsible for the selection and sponsoring of students.

Subjects:
First Year
Mathematics; Biology; Micro-biology; Anatomy and Physiology; Chemistry; Physics; Building Construction and Draughtsmanship; Theory of Structures; Local Government Law and Administration; Elementary Hygiene and Introduction to Public Health; Philosophy.

Second Year
Statistical Mathematics; Entomology and Parasitology; Micro-Biology; Food and Food Inspection; Chemistry and Physics; Offensive Trades and their Control; Building Construction and Draughtsmanship; Building Sciences; Public Health Law and Administration and Report Writing; Surveying and Levelling; Drainage and Sewerage; Water Supplies.

Third Year
Vital Statistics; Pest Control; Public Cleansing; Food and Food Inspection—Food and Drugs; Specifications, Quantities, Costing and Estimating; Atmospheric Pollution; Building Construction; Heating, Lighting and Ventilation; Public Health Law and Administration and Report Writing; Infectious Diseases and their control; Drainage and Sewerage; Water Supplies.

Fourth Year
Radiation, Health, Safety and Disposal; Radiation Hazards; Port and Airport Sanitation; Health Education; Food and Food Inspection; Inspection, Report Writing and
Office Administration; Atmospheric Pollution: Building Hygiene; Heating, Lighting and Ventilation; Public Health and Housing Law; Public Cleansing.

Practical Experience
Students spend six months of each year in the field.

Entry Qualifications
(a) The Secondary Schools Leaving Certificate.
(b) The Matriculation Certificate of a recognised University.
(c) The General Certificate of Education.

Fee £50 per annum.

D/40. Pre-Professional Course in Engineering
This is a one-year Sandwich Course consisting of eight months' academic work commencing in mid-September, and two other subjects; at G.C.E. at Advanced Level in Mathematics, Physics. They may also take the "A" Level examination in Technical Drawing and Applied Mathematics.

Examinations and Other Requirements:
Students are required to:
(a) Take the College examination at the end of the session.
(b) Take the G.C.E. at Advanced Level in Mathematics, Physics. They may also take the "A" Level examination in Technical Drawing and Applied Mathematics.
(c) Have a satisfactory attendance record in all subjects.
(d) Present laboratory notebooks and year's work to the satisfaction of the examiners.
(e) Complete the vacation training programme at the end of the year.

Membership of Professional Institutions
Students are strongly urged to apply to the appropriate Engineering Institution for Student Membership when they have satisfactorily completed this course.

Fee £35 per annum.

D/41. Preliminary Engineering Course
This is a one-year whole-time course commencing each year in mid-September, and three months' practical training in industry. Its purpose is to prepare suitable students for entry to the Diploma Courses in Mechanical and Production Engineering.

Course of Study
The subjects studied are:
- German, Mathematics & Applied Maths, Engineering Drawing, Experimental Physics, Chemistry, Philosophy, Practical Engineering and Tutorials.

Examinations and Other Requirements
Students are required to:
(a) Take the College examination at the end of the session.
(b) Take the G.C.E. examination at the end of the session.
(c) Have a satisfactory attendance record in all subjects.
(d) Present laboratory notebooks and year's work to the satisfaction of the examiners.
(e) Complete the vacation training programme at the end of the year.

Membership of Professional Institutions
Students are strongly urged to apply to the appropriate Engineering Institution for Student Membership when they have satisfactorily completed this course.

Fee £35 per annum.

D/42/A. Diploma Course in Mechanical and Production Engineering
(1) Mechanical Engineering
This is a three-year sandwich course consisting of eight months' academic work each year commencing in mid-September, and three months' practical training in industry. The following schemes are in operation:
(a) College-Based Scheme. Suitable students are enrolled by the College, which then directs their academic studies and assists in arranging vacation training each summer. Certain Local Authorities award scholarships which are applicable to this course and students should apply to their local body.

(b) Industry-Based Scheme. Suitable students whose employers are prepared to sponsor them for the duration of the course may be admitted. Employers make their own arrangements with their students regarding the payment of fees, wages, books, etc. The practical training in industry is designed by the College in collaboration with the industrial sponsor.

Entrance Requirements to the First Year
(a) Passes at Advanced Level in the General Certificate of Education examinations in Physics and Mathematics or Applied Mathematics, and
(b) Passes in English and two other subjects at G.C.E. Ordinary Level, or at Honours Level in the Leaving Certificate of the Department of Education, and
(c) A minimum of three months' approved practical training in industry; or (d) Such other qualifications as the College may deem to be appropriate.

The attention of students who do not meet these requirements is directed to the Pre-Professional Course (D/40).

Course of Study
The subjects studied are as follows:

First Year
Second Year

Final Year

In the Final Year students are required to carry out an individual design or research project and to submit for examination a short thesis on the work performed.

Examinations and Other Requirements
Students will not be permitted to advance to the next year of the course unless they have satisfied the examination requirements:
(a) attended and passed examinations of appropriate levels;
(b) have been successful in the Final Examination; and
(c) have passed or been exempt from the Part II (Graduateship) Examination of the Institution of Mechanical Engineers.

Award of Diploma in Production Engineering (Dip. Eng.)
At the completion of the course students who have satisfactorily completed their project will be eligible for the award of the Diploma in Production Engineering provided they have passed or been exempt from the Part II examination of the Institution of Mechanical Engineers. Fee £50 per annum.

Award of Diploma in Mechanical Engineering (Dip. Eng.)
At the completion of the course students who have satisfactorily completed their project will be eligible for the award of the Diploma in Mechanical Engineering provided they have passed or been exempt from the Part II (Graduateship) Examination of the Institution of Mechanical Engineers. Fee £50 per annum.

D/428. Mechanical Engineering Part-time Day Course
This is a four-year part-time day and evening course designed to meet the examination requirements and also the Mechanical Engineering Technological Certificate examination requirements of the Department of Education. Students attend on two days per week.

Entrance Requirements
Leaving Certificate standard or the Elementary Stage of the Department of Education examination in Mechanical Engineering.

Course of Study
First Year Mathematics, Mechanics, Heat, Light & Sound, Electricity, General Studies.

Second Year Mathematics, Mechanics, Physics.

Third and Fourth Years

*Students may also be required to attend appropriate evening classes as directed.

Examinations and Other Requirements
Students may take the following examinations:
At the end of the first year
G.C.E. "O" Levels and Intermediate Stage of Technological Certificate.
At the end of the second year, "A" Advanced Level G.C.E.

At the end of the second year
Joint Part I examination and Advanced Stage of Technological Certificate.
At the end of the fourth year

D/43C. Part-time Mechanical Engineering Technicians' Course
This is a part-time day course intended to prepare suitable students for the City & Guilds of London examinations for Mechanical Engineering Technicians (293).

The course is to suit technicians engaged in the following types of employment:
Jig & Tool Design, Engineering Production, Engineering Planning and Plant Engineering.

Entrance Requirements
Leaving Certificate standard or the Elementary Stage of the Department of Education examination in Mechanical Engineering.

Course of Study
First Year Workshop Processes and Practice, Engineering Drawing and Materials, Engineering Science, Mathematics, General Studies together with a supplementary subject to suit special requirements.

Second and Third Years
Engineering Science, Mathematics, General Studies, Applied Technology and appropriate option.

Fourth Year
Applied Technology and one specialised subject selected from Jig and Tool Design.
Product Design, Engineering Production, Mechanical Engineering Inspection, Plant Engineering and others.

Examination and Other Requirements
At the end of the first year students take the Part I examination of the City & Guilds of London Institute No. 293, Part II at the end of the third year, and Part III at the end of the fourth year. Fee £15 per annum.

D/43 Engineering Draughtsmanship Course
This is a three-year course (one year full-time and two years part-time) to prepare students for employment as trainee draughtsmen.

D/44 Automobile Engineering Course
This course is arranged to meet the examination requirements of the Institute of the Motor Industry (Inc.). The Institute of Road Transport Engineers, the Institute of Automobile Assessors, and The Society of Engineers (Inc.). Students attend the College for 32 hours per week for the period mid-September to April. The full course extends over three years. During the summer recess students are required to obtain suitable employment in the Automobile Engineering Industry.

Entrance Requirements:
(a) Leaving Certificate, Matriculation or equivalent standard.
(b) have completed G.C.E. "O" Level Course.

Course of Study
The subjects studied are as follows:-

First Year (Full-time)

Second and Third Years
Subjects selected from Mathematics, Mechanics, Mechanical Design, Civil Engineering, Heating and Hot Water Services.

During the Second and Third Years students will be required to attend classes on one day and two evenings per week. Examination and Other Requirements
Students must pass an Intermediate examination at the end of the first year before being admitted to the second year. Students may take the Technological examinations of the Department of Education, the City and Guilds of London examinations for Mechanical Engineering Technicians (293) or the City and Guilds examination for Heating and Ventilating Engineering Draughtsmen (259). Fee £15 per annum.

D/44 Automobile Engineering Course
This course is arranged to meet the examination requirements of the Institute of the Motor Industry (Inc.). The Institute of Road Transport Engineers, the Institute of Automobile Assessors, and The Society of Engineers (Inc.). Students attend the College for 32 hours per week for the period mid-September to April. The full course extends over three years. During the summer recess students are required to obtain suitable employment in the Automobile Engineering Industry.

Entrance Requirements:
(a) Leaving Certificate, Matriculation or equivalent standard.
(b) have completed G.C.E. "O" Level Course.

Course of Study
The subjects studied are as follows:-

First Year (Full-time)

Second and Third Years
Subjects selected from Mathematics, Mechanics, Mechanical Design, Civil Engineering, Heating and Hot Water Services.

During the Second and Third Years students will be required to attend classes on one day and two evenings per week. Examination and Other Requirements
Students must pass an Intermediate examination at the end of the first year before being admitted to the second year. Students may take the Technological examinations of the Department of Education, the City and Guilds of London examinations for Mechanical Engineering Technicians (293) or the City and Guilds examination for Heating and Ventilating Engineering Draughtsmen (259). Fee £15 per annum.

D/44 Automobile Engineering Course
This course is arranged to meet the examination requirements of the Institute of the Motor Industry (Inc.). The Institute of Road Transport Engineers, the Institute of Automobile Assessors, and The Society of Engineers (Inc.). Students attend the College for 32 hours per week for the period mid-September to April. The full course extends over three years. During the summer recess students are required to obtain suitable employment in the Automobile Engineering Industry.

Entrance Requirements:
(a) Leaving Certificate, Matriculation or equivalent standard.
(b) have completed G.C.E. "O" Level Course.

Course of Study
The subjects studied are as follows:-

First Year (Full-time)

Second and Third Years
Subjects selected from Mathematics, Mechanics, Mechanical Design, Civil Engineering, Heating and Hot Water Services.

During the Second and Third Years students will be required to attend classes on one day and two evenings per week. Examination and Other Requirements
Students must pass an Intermediate examination at the end of the first year before being admitted to the second year. Students may take the Technological examinations of the Department of Education, the City and Guilds of London examinations for Mechanical Engineering Technicians (293) or the City and Guilds examination for Heating and Ventilating Engineering Draughtsmen (259). Fee £15 per annum.

D/44 Automobile Engineering Course
This course is arranged to meet the examination requirements of the Institute of the Motor Industry (Inc.). The Institute of Road Transport Engineers, the Institute of Automobile Assessors, and The Society of Engineers (Inc.). Students attend the College for 32 hours per week for the period mid-September to April. The full course extends over three years. During the summer recess students are required to obtain suitable employment in the Automobile Engineering Industry.

Entrance Requirements:
(a) Leaving Certificate, Matriculation or equivalent standard.
(b) have completed G.C.E. "O" Level Course.

Course of Study
The subjects studied are as follows:-

First Year (Full-time)

Second and Third Years
Subjects selected from Mathematics, Mechanics, Mechanical Design, Civil Engineering, Heating and Hot Water Services.

During the Second and Third Years students will be required to attend classes on one day and two evenings per week. Examination and Other Requirements
Students must pass an Intermediate examination at the end of the first year before being admitted to the second year. Students may take the Technological examinations of the Department of Education, the City and Guilds of London examinations for Mechanical Engineering Technicians (293) or the City and Guilds examination for Heating and Ventilating Engineering Draughtsmen (259). Fee £15 per annum.

D/44 Automobile Engineering Course
This course is arranged to meet the examination requirements of the Institute of the Motor Industry (Inc.). The Institute of Road Transport Engineers, the Institute of Automobile Assessors, and The Society of Engineers (Inc.). Students attend the College for 32 hours per week for the period mid-September to April. The full course extends over three years. During the summer recess students are required to obtain suitable employment in the Automobile Engineering Industry.

Entrance Requirements:
(a) Leaving Certificate, Matriculation or equivalent standard.
(b) have completed G.C.E. "O" Level Course.

Course of Study
The subjects studied are as follows:-

First Year (Full-time)

Second and Third Years
Subjects selected from Mathematics, Mechanics, Mechanical Design, Civil Engineering, Heating and Hot Water Services.

During the Second and Third Years students will be required to attend classes on one day and two evenings per week. Examination and Other Requirements
Students must pass an Intermediate examination at the end of the first year before being admitted to the second year. Students may take the Technological examinations of the Department of Education, the City and Guilds of London examinations for Mechanical Engineering Technicians (293) or the City and Guilds examination for Heating and Ventilating Engineering Draughtsmen (259). Fee £15 per annum.

D/44 Automobile Engineering Course
This course is arranged to meet the examination requirements of the Institute of the Motor Industry (Inc.). The Institute of Road Transport Engineers, the Institute of Automobile Assessors, and The Society of Engineers (Inc.). Students attend the College for 32 hours per week for the period mid-September to April. The full course extends over three years. During the summer recess students are required to obtain suitable employment in the Automobile Engineering Industry.

Entrance Requirements:
(a) Leaving Certificate, Matriculation or equivalent standard.
(b) have completed G.C.E. "O" Level Course.

Course of Study
The subjects studied are as follows:-

First Year (Full-time)

Second and Third Years
Subjects selected from Mathematics, Mechanics, Mechanical Design, Civil Engineering, Heating and Hot Water Services.

During the Second and Third Years students will be required to attend classes on one day and two evenings per week. Examination and Other Requirements
Students must pass an Intermediate examination at the end of the first year before being admitted to the second year. Students may take the Technological examinations of the Department of Education, the City and Guilds of London examinations for Mechanical Engineering Technicians (293) or the City and Guilds examination for Heating and Ventilating Engineering Draughtsmen (259). Fee £15 per annum.
Final Year:
French, English, Social Science,
Physical Education, Mechanics, Mathematics,
Drawing, Workshop Technology,
Aero Laboratory, Workshop Practice,
Heat Engines, Materials.

Examination and Other Requirements:
Students are required to pass examinations as follows:
(a) At the end of the first year the
Department of Education Junior Trade Group
Certificates in Fitters' and Turners' Work
and the Department of Education
Elementary Stage Technological Examinations
in Mechanical Engineering
(Subjects: Mathematics, Heat, Mechanics,
Machine Drawing and Workshop Technology).
(b) At the end of the second year—the
Department of Education Senior Trade Group
Certificate in Fitters' Work and the
Department of Education Intermediate Stage
Technological Examinations in Mechanical Engineering
(Subjects: Mathematics, Heat, Mechanics,
Machine Drawing and Workshop Technology).
(c) At the end of the third year—the
Department of Education Senior Turning and
Senior Workshop Technology and the
Department of Education Advanced Stage
Examinations in Mechanical Engineering
(Subjects: Applied Mechanics, Heat Engines,
Mathematics, Machine Construction and Design).
(d) At the end of the fourth year—the
Department of Education Higher
Technological Group Certificates in
Mechanical Engineering (Subjects: Strength of Materials, Theory of Machines, Heat Engines, Mathematics, Machine Design) and the City and Guilds of London Institute
Examination in Aeronautical Engineering Practice Part II (Paper 171/4 Sci.Calc, and
Drawing, Paper 171/5 Aero, Engineering Practice, 171/8 Power Plant Maintenance,
Paper 171/9 Airframe Maintenance),
Fee £30 per annum.

D/46A. Engineering Apprentices' Course:

This is a four-year industry-based Sandwich Course for Mechanical Engineering
Apprentices who are released by their employers for 13 week blocks each year. The
first and fourth years attend the College from January to March and the second
and third years attend from September to December.

Entrance Requirements:
(a) Day Group Certificate of Department of
Education with first class passes in
Mathematics, Metalwork and Mechanical Drawing, or Secondary Schools Intermediate Certificate of Department of Education.
(b) Applicants must be serving as an
apprenticeship to one of the Mechanical Engineering Trades.

Course of Study:
First Year
Power House Practice, Engineering
Workshop Practice, Applied Mechanics,
Applied Heat and Heat Engines, Workshop
Technology, Engineering Drawing,
Mathematics, Principles of Electricity,
English, Social Science.

Second Year
Power House Practice, Engineering
Workshop Practice, Applied Mechanics,
Applied Heat and Heat Engines, Workshop
Technology, Engineering Drawing,
Mathematics, Principles of Electricity,
English, Social Science.

Third Year
Power House Practice, Engineering
Workshop Practice, Applied Mechanics,
Applied Heat and Heat Engines, Workshop
Technology, Engineering Drawing,
Mathematics, Principles of Electricity,
English, Social Science.

Fourth Year
Power House Practice, Engineering
Workshop Practice, Applied Mechanics,
Applied Heat and Heat Engines, Workshop
Technology, Engineering Drawing,
Mathematics, Principles of Electricity,
English, Social Science.

Examination and Other Requirements:
Students are expected to pass the
Technological Certificate Examinations in
Mechanical Engineering Elementary Stage at
the end of the second year and Intermediate Stage at the end of the fourth year.
At the end of the second and fourth year, they are required to pass the Junior and
Senior Stages of the Mechanical Engineering Trade Examinations of the Department of
Education in Fitting and Turning.
Fee £15 per annum.

D/46B. Part-Time Day Course:

Engineering Apprentices:
This is a two-year part-time day course for
apprentices who are released by their employers for one day per week.

Entrance Requirements:
Applicants must be serving an apprenticeship
to one of the engineering trades.

Course of Study:
Both Years
Mathematics, Mechanics, Heat, General
Studies, Machine Drawing.

Examination and Other Requirements:
Students are required to sit the Elementary Stage Technological Certificate examination
of the Department of Education at the end of the first year. Successful students will then
be promoted to Course D/42B. Selected students will be permitted to complete
a second year to attempt the Elementary Stage Examination. All other students
advance to their corresponding trade classes.
Fee £5 per annum.

D/47 Trainee Draughtsmen:
This is a two-year industry-based Sandwich Course for trainee draughtsmen who are
released by their employers for 13 week blocks each year.

Entrance Requirements:
(a) Leaving Certificate Standard or
Intermediate Mechanical Engineering
Technological Certificate.
(b) Applicants must be employed in industry
as Mechanical Engineering Trainee
Draughtsmen.
Course of Study
First Year

Second Year

Examination and Other Requirements
Students are expected to pass the Advanced Stage Technological Certificate Examination of the Department of Education at the end of the second year.

Fee £15 per annum.

D/81. Printing Technology
This course is designed for those who wish to make a technological study of all branches of printing and allied processes with a view to fitting themselves for managerial and supervisory posts. It is based on the syllabus of the Full Trade Certificate of the City and Guilds of London Institute and students are prepared for the Final and Full Technological examinations of that Institute.

Minimum qualifications for admission to the course is the Senior Trade Certificate of the Department of Education in Compositors' Work or Letterpress Machine Work.

The course occupies three years and is based on one day release per week (7 hours) and two evenings per week (5 hours) for the first two years and three evenings per week (6 hours) for the third year. The training in the above courses will be supplemented by:
(a) Visits to Industry.
(b) Lectures by specialists on particular aspects of the industry.

Fee £15 per annum.

D/82. Training for Administrative Staff
The course is intended for those engaged in the Clerical and Administrative side of printing with a view to preparing them for higher administrative posts in the industry. Consequently the expansion of the industry a definite need exists for the training of young men, already engaged in the industry, to fit them for promotion to administrative posts. The course occupies three years; the first two are mainly concerned with Trade Techniques, Costing and Estimating, and the third year with Administrative studies.

To secure optimum results the numbers enrolled for the course will be limited to a maximum of twelve each year.

The age group for trainees is between 19 and 24 years, and the minimum educational qualification required is the Leaving Certificate.

Students at the end of the first year will be required to pass the Preliminary Technical Knowledge Examination of the British Federation of Master Printers.

A Diploma will be awarded to those who, having attended the full course, have passed the examination for all subjects.

The training in this course will be supplemented by:
(a) Visits to Industry.
(b) Lectures by specialists on particular aspects of the industry.

Fee £15 per annum.

D/86. Graphic Design
This three-year course trains students as specialist Graphic Designers for entry into Design Groups, Advertising Agencies and Printing offices. It operates in conjunction with a course in the National College of Art. The course offers instruction not only in Design but in practical techniques of printing and graphic reproduction.

The student's work will be reproduced by the various printing processes operating at the school—letterpress, lithography, photo-lithography, silk-screen, all methods of typesetting and bookbinding.

Entry subject to Leaving Certificate standard or specimens of work indicative of promise.

Fee £10 per annum.

D/152 Heating and Ventilating Technicians' Course
This is a three-year part-time day course entailing attendance on one day per week. The course is intended for those who have satisfactorily completed Course D/151 and who aspire to be potential foremen.

Entrance Requirements
Applicants must have completed an apprenticeship in heating and ventilating craft practice, and should preferably have completed Course D/151.

Examination Requirements
Students will be required to sit the examinations of the City and Guilds of London Institute for Heating and Ventilating Technicians—No. 181.

Fee £10 per annum.

E/1A. Building Technology
A six-year course (including a preliminary year) to meet the needs of students who are employed or intend to be employed in a
technical capacity on the contracting side of the building industry.

The course will prepare students for the examinations of the following bodies: The Institute of Builders (Intermediate and Final (Part I) Examinations); The Institute of Clerks of Works in Ireland (Intermediate and Final Examinations); City and Guilds of London Institute (Building Technician’s Certificate and Certificate Examinations in Builders’ Quantities); The Department of Education (Certificate Examinations in Building Technology—elementary, intermediate and advanced stages). Associated Examination Board (G.C.E.—technical subjects).

Entrance Standard

Applicants must have a good standard of general or technical education. Students who have completed an approved course in a building trade or a Day Junior Technical Course will be exempted from the preliminary year. Students who have attained a suitable standard in draughtsmanship (e.g. Pass in Drawing, Leaving Certificate Examination) or mathematics (e.g. Pass in Intermediate Certificate Examination) will be exempted in these subjects in the preliminary year.

Fee £10 per annum.

E/18. Course for Building Technicians

(Progressively supersedes Course in Building Technology, E/1A)

The course is of four years’ duration with attendance on three evenings of each week and is designed to prepare students for the Advanced Technological Certificate examinations of the Department of Education and the Construction Technicians’ Certificate Examination of the City & Guilds of London Institute (which leads to Technician Membership of the Institute of Building).

Subjed

First Year
Building Science; Building Construction and Services; Building Calculations.

Second Year
Building Science; Building Construction and Services; Building Calculations; Safety Regulations.

Third Year
Building Construction and Services; Measurement and Price Build-up; Land Surveying and Setting Out.

Fourth Year
Building Construction and Services; Measurement and Price Build-up; Land Surveying and Setting Out.

Practical Experience

Students are required to be employed in the Building Industry.

Entry Qualifications

Full Technological Certificate in Building Crafts of the City and Guilds of London Institute.

Fee £10 per annum.

E/2. Land Surveying and Levelling

A two-year course to meet the needs of students who are employed in professional offices or on the contracting side of the industry. The courses consist of evening lectures and field work held on Saturday afternoons during late spring and early summer.

Timber Technology

General Certificate of Education Courses

Graduate Courses in Engineering

Certificate Engineering

Technician Course

Engineering Draughtsmanship

Optional classes in Mathematics and Draughtsmanship may be taken in conjunction with this course.

Fee £10 per annum.

E/3. Timber Technology

A three-year course to prepare students for the final examinations of the Institute of Wood Science.

Fee £10 per annum.

E/40. General Certificate of Education Courses

The following subjects are offered at ordinary level: English, Pure Mathematics, Additional Pure Mathematics, Physics, Chemistry, Geology, Technical Drawing and Surveying. The entrance standard to the above is Leaving Certificate or Department of Education Elementary Technological Certificate in Mechanical Engineering. The following subjects are offered at advanced level: Pure Mathematics, Applied Mathematics, Physics and Technical Drawing. The entrance standard to the above is Leaving Certificate with Honours or G.C.E. Ordinary level passes in the appropriate subjects.

Fee per annum:

CP 10s, for four subjects,
£1 10s, for each additional subject.

E/41. Graduate Courses in Engineering

A 4½-year course to prepare students for the examinations of the following Professional Engineering Institutions:

(1) Inst. of Civil Eng. of Ireland
(2) Inst. of Civil Eng.
(3) Inst. of Mechanical Eng.

(4) Inst. of Production Eng.
(5) Inst. of Structural Eng.
(6) Inst. of Heating & Ventilating Eng.
(7) Royal Aeronautical Society.

Before entry to these courses applicants must meet the requirements of the appropriate Institution for Student Membership.

Fee £10 per annum.

E/42. Certificate Engineering Technician Course

A 5½-year course to prepare students for the Certificate examinations in Mechanical Engineering of the Department of Education as follows:

Set the end of the Second year—Elementary Stage.
Set the end of the Third year—Intermediate Stage.
Set the end of the Fourth year—Advanced Stage.
Set the end of the Fifth/Sixth year—Higher Technological Stage.

The entrance requirements are Department of Education Intermediate Certificate or Day Group Certificate with passes in Mathematics, English and a Science Subject.

Fee £10 per annum.

E/43. Engineering Draughtsmanship

This course is for those who are receiving approved training as Engineering Draughtsmen and who have passed either (a) the Intermediate Stage of the Technological Certificate of the Department of Education in Machine Drawing, Mathematics and one other subject, or
(b) the G.C.E. "O" Level in Mathematics, Drawing and one other subject. The Course consists of three sections— Mechanical, Civil, and Heating and Ventilating. Fee £10 per annum.

E/44A. Mechanical Engineering Technicians' Course
A four-year Course to prepare students with a mechanical engineering background for the Part I and Part II of the City & Guilds of London Institute examinations for Mechanical Engineering Technicians (393). Entrance requirement is the Mechanical Engineering Technological Certificate of the Department of Education, Elementary Stage. Fee £10 per annum.

E/44B. Jig & Tool Design Technology Course
A two-year Course for those who have completed Course E/44A or equivalent. Students are prepared for the Full Technological Certificate Examination of the City & Guilds of London in mechanical engineering (393). Fee £10 per annum.

E/44. Aeronautical Engineering Technicians' Course
This course provides instruction for aircraft maintenance engineers who desire to take the Licence Examinations of the Department of Transport and Power. Fee £10 per annum.

E/47. Diesel Maintenance
This is a two-year Course providing instruction in the theory and practice of diesel maintenance. Fee £7 10s. 0d. per annum.

E/48. Welding Technicians' Course
This is a 2-year Course to prepare welding technicians for the Final Examinations of the City & Guilds of London Institute in Welding. Fee £7 10s. 0d. per annum.

E/49. Automobile Engineering Course
This is a five-year evening course requiring attendance at the College for three evenings (9 hours) each week (26 weeks each year). The course prepares students for the Associate Membership Examinations of the Institute of the Motor Industry (Inc.), the Institute of Road Transport Engineers and the Institute of Automobile Assessors. Section A of the Associate Membership Examination of the above Institutes is taken at the end of the second year. At this stage students specialise and take relevant subjects to prepare themselves for the Section B examinations of the above Institutes and in addition students may prepare themselves for the L.M.I. "Pardic" Scheme Examinations. The Section B examinations are usually taken at the end of the fourth year and Section C examinations at the end of the fifth year.

Entrance Requirements
Secondary Leaving Certificate or equivalent certificate.

Course of Study
The subjects studied are as follows:

First Year
- Electricity, Science and Mathematics
- Engineering Drawing, Motor Engineering— Theory, Motor Engineering—Practice

Second Year
- Electricity, Science and Mathematics
- Engineering Drawing, Motor Engineering— Theory, Motor Engineering—Practice

Third Year
- Or Parts Merchandising, Parts Department Administration and Organisation.

Fourth Year
- Or Parts Merchandising, Parts Department Administration and Organisation.

Fifth Year
- Or Parts Merchandising, Parts Department Administration and Organisation.

E/83. Applied Printing
A 2-year course designed to provide those engaged in the Clerical and Administrative side of Printing with a general knowledge of the crafts involved in modern printing and of the materials and appliances used. Students who complete the course may enter the Preliminary Technical Knowledge examination of the British Federation of Master Printers. A first class pass in this examination is one of the prerequisites for entry for administrative personnel for the City and Guilds of London Institute's scheme for advanced qualifications in Printing. It is also necessary to have passed the Preliminary Technical Knowledge examination to be accepted as a candidate for the following:

(a) Training for Administrative Staff.
(b) Estimating and Costing examination of the British Federation of Master Printers.

Fee £5 per annum.

E/84. Costing and Estimating (Printing)
A 3-year course designed to prepare students for the examinations of the British Federation of Master Printers. Fee £10 per annum.

One part only £5: either part taken as an additional subject to Course E/83, E/85 or E/86 £3.

E/85. Paper Technology and Marketing
A 2-year course for employees of Paper Mills and Paper Merchants' and Printers' employees engaged in the handling of paper transactions. Students are prepared...
### Engineering Trades

<table>
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<tr>
<th>Course</th>
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<td>Fitting + Turning</td>
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<td>Motor Mechanic Apprentices</td>
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<tr>
<td>D/142B</td>
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<tr>
<td>D/168</td>
<td>Motor Vehicle Mechanics’ Work</td>
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### Motor Vehicle Electricians’ Work

- A three-year Course requiring attendance on one day (7 hours) and at least 2 evenings (6 hours) per week. Students take the City and Guilds Motor Vehicle Electricians’ examination.  

### Printing Trades

- Bookbinding, Compositors’ Work, Letterpress Machine Work.

### Building Trades

- Every facility is given to students who wish to enter for the Trade Certificate and the City and Guilds of London Institute. The aim is to prepare compositor students for the examinations of the Department of Education and the City and Guilds of London.  

### Trade Courses

- These courses are for apprentices and young journeymen in the Building, Vehicle Building, Furniture, Engineering and Printing, Bookbinding and Process Engraving Trades.

### Other Trades

- Engineering Trades  
  - D/141, Fitting + Turning  
  - D/142A, Motor Mechanic Apprentices  
  - D/142B, Motor Mechanic Apprentices  
  - D/143, Gas + Electric Welding  
  - D/149, Metal Plate Work  
  - D/151, Heating + Ventilating Engineering Craft Practice  
  - D/168, Motor Vehicle Mechanics’ Work  

- Motor Vehicle Electricians’ Work  
- Printing Trades  
- Bookbinding, Compositors’ Work, Letterpress Machine Work.
D/184. Process Engraving
A 4-year part-time course, comprising Junior and Senior stages.

D/185. Linotype, Intertype and Teletyping
Course A—A complete course of 12 weeks' duration of 30 hours per week. Course B—A refresher course for operators of 6 weeks' duration for 30 hours per week. Fee £15 per annum.

D/188. Stereotyping and Electrotyping
A 4-year part-time course for first, second, third and fourth year apprentices of 4½ hours' duration per day instruction.

D/190. Compositors' Work (Block Release Courses)
Consecutive courses of 13 weeks' duration for first and second year apprentices and courses of 6 weeks' duration for third and fourth year apprentices. During each course the apprentices attending complete a stage of the Department of Education's syllabi for the Junior and Senior Trade Certificate Examinations in Compositors' Work. An examination in each stage is set by the Department of Education at the conclusion of each course.

D/191. Bookbinding and Warehouse Work (Block Release Courses)
Consecutive courses of 13 weeks' duration for first and second year apprentices and courses of six weeks' duration for third and fourth year apprentices. At present students are prepared for the examinations of the City and Guilds of London Institute.

D/192. Lithography and Photo-Lithography (Block Release Courses)
Dublin Apprentices: Consecutive courses of 19 weeks' duration for first and second year apprentices and evening courses of instruction for third and fourth year apprentices. Provincial Apprentices: Block Release Courses similar in arrangement to chat for Compositors' Work and Bookbinding and Warehouse Work.

Trade Courses (Evening)
Fee £4 10s. 0d. per annum.

Evening Courses for apprentices are provided for all courses listed in the preceding pages, and in Plastering, Patternmaking, Foundry Work, Brassfinishing, Boilermaking, Smith and Art Ironwork, Structural Steelwork, Monotype Casting and Monotype Keyboard. Students are prepared for appropriate examinations conducted by the Department of Education and the City & Guilds of London Institute.

Physical Education
Evening courses in Physical Education are provided for men students. Classes in Physical Education are provided as components of the whole-time day courses. Athletic and sporting activities for whole-time students are organised by the several student bodies in the College with the guidance of a physical education expert. Sports fields are provided for the purpose at Trenense and Whitehall. Fee £4 per annum.

Examinations
At the end of each session internal examinations are held in connection with the courses. Promotion of students depends on success in these examinations. Students who have not the required attendances at the courses will not be permitted to take these examinations. Students are required to acquaint themselves with the examination and promotion regulations of the course which they take.

External Examinations
The courses prepare students for the Examinations of the following bodies:

1. Department of Education
(a) Technological Certificate Examinations in:
- (i) Building.
- (ii) Mechanical Engineering.
- (iii) Motor Car Engineering.
- (iv) Mathematics.

(b) Trade Certificate Examinations in:
- (i) Bricklaying and Masonry.
- (ii) Boilermakers' Work.
- (iii) Brass Finishing.
- (iv) Cabinetmaking.
- (v) Carpenter and Joinery.
- (vi) Compositors' Work.
- (vii) Letterpress Machine Work.
- (viii) Metalplate Work.
- (ix) Motor Car Engineering.
- (x) Painting and Decorating.
- (xi) Plasterers' Work.
- (xii) Plumbing.
- (xiii) Fitters' Work.
- (xiv) Turners' Work.

2. Professional Institutions
- (i) Building Surveyors' Institute.
- (ii) Institution of Civil Engineers of Ireland.
- (iii) Institution of Civil Engineers.
- (iv) Institution of Heating, Ventilating and Air Conditioning Engineers.
- (v) Institution of Mechanical Engineers.
- (vi) Institution of Municipal Engineers.
- (vii) Institution of Structural Engineers.
- (viii) The Institute of Building.
- (ix) Institute of Marine Engineers.
- (x) Institute of Quantity Surveyors.
- (xi) Royal Aeronautical Society.
- (xii) Royal Institute of Architects of Ireland.
- (xiii) Royal Institution of Chartered Surveyors.
- (xiv) Town Planning Institute.

3. Other Bodies
- (i) Board of Trade (Certification for Marine Engineers).
- (ii) British Federation of Master Printers.
- (iii) City and Guilds of London Institute.
- (iv) Department of Industry and Commerce (Licence in Aeronautical Engineering).
- (v) Institute of Clerks of Works in Ireland.
- (vi) Institute of the Motor Industry.
- (vii) National Association of Paper Merchants.
- (viii) Associated Examining Board (G.C.E.).

Note
In connection with the examinations of professional and other external bodies, students are advised to note the following:
1. Admission to a course in the College may not of itself entitle students to sit for examinations of external bodies. Students...
are themselves responsible for ensuring that they satisfy all the requirements of the examining body concerned.

2. Students are expected to acquaint themselves with the current regulations for the examinations which they propose to take.

3. Students must make all the necessary applications and provide all documents that may be required. In this connection any documents and certification (e.g. statements of attendance, etc.) required from the College authorities should be applied for at the earliest opportunity.

4. The College Authorities will give the fullest assistance and advice in the above matters.