College of Technology, Bolton Street Prospectus 1966-67

City of Dublin Vocational Education Committee

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City of Dublin
Vocational Education Committee

College of Technology
Bolton Street

School of Printing and Graphic Design
School of Trades

School of Architecture Surveying and Building
School of Engineering
Councillor John McCann 115 Fortfield Road
Terenure Dublin 6 (Chairman)

Councillor J Barron 8 Mount Eden Road
Donnybrook Dublin 4 (Vice-Chairman)

Rt Rev Monsignor J O'Regan STL PP
Parochial House Clondalkin Co Dublin

Councillor Mrs C Byrne 5 Seafor Terrace
Sandymount Dublin 4

Mr Sean O'Hanlon PC 1 Turlough Gardens
Philipsburgh Avenue Fairview Dublin 3

Councillor Gilbert Hughes 2f Cill Eanna
Howth Road Dublin 5

Mr Liam Hagan PC 5 Jamestown Road
Inchicore Dublin 8

Councillor Mrs C Lynch TD 156 Botanic Road
Glasnevin Dublin 9

Councillor Michael Mullen TD 202 Navan
Road Dublin 7

Councillor J J Walsh 7 St Mobhi Grove
Glasnevin Dublin 9

Mr Patrick Donegan 121 Shanard Road
Santry Dublin 9

Mr John P Kenny 50 Laurel Park
Clondalkin Co Dublin

Mr Joseph Whitley 16 Eglinton Terrace
Donnybrook Dublin 4

Mr Patrick Donegan 121 Shanard Road
Santry Dublin 9 (Chairman)

Councillor John McCann Chairman City of
Dublin Vocational Education Committee

Councillor J Barron Vice-Chairman City of
Dublin Vocational Education Committee

Mr Martin M Gleeson MA BComm
Chief Executive Officer City of Dublin
Vocational Education Committee

Rt 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 P O'Dwyer Principal College of
Technology Bolton Street

Mr John D Barry Deputy Principal College
of Technology Bolton Street
Advisory Committees

Architecture
J P Alcock BArch FRAI A
F M Meehan MArch MRIAI ARIBA
H S Robson BSc BArch MRIAI ARIBA
D O'Toole FRCAI AMTPA

Town Planning
L Canvill DipArch (Liv) DipCivic Des (Liv)
ARIBA AMTPA
J Conway BE AMTPA
G Magher BComm DPA
H O'Brien BE AMTPA

Institute of Quantity Surveyors
B V Boyle FIOQ
G N Sempie AIQS
N Power-Smith AIQS

Building Surveyors' Institute
John J Barrett FBSI

Incorporated Association of Architects
and Surveyors
Stanley J Coggins FIAS FIARB

Building Technology
Institute of Building
J Jennings FIIO
D Mcllvenna FIIO
L Thompson BAI MICE FIIO
P McGuinness FIIO
J G McCormack FIIO
W H Goody FIIO

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

Heating and Ventilating Engineering
(Technician + Technological Courses)
Eoin O'Gionna BSc MICE AMIE MIHVE
MASHRAE MConsEI Hon Secretary
The Association of Consulting Engineers of
Ireland
Noel Traynor AMIHVE Hon Secretary
The Association of Master Plumbers Heating
& Ventilating Engineers of Ireland
Seamus Homan AMIHVE Design Engineer
Yvonne & Mulcahy Consulting Engineers
Robert Jacob & Eamon O'Brien
Consulting Engineers
Reginald Keating GHIVE Hon Secretary
The Association of Design Engineers
&Draughtsmen

Surveying
Royal Institution of Chartered Surveyors
H C Tierney FRICS
R H White 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
Ia Roberts FRICS

Bricklaying
Master Builders' Association
Patrick McGuinness
Brick & Stonemasons' Society
Francis O'Connell
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
Plumbers' Trade Society
Leo Crawford
Donal O'Reilly
Operative Plumbers' 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
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
Thom Kiernan FTC (C & G)
Michael McDouinell
John McGuirk
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 MlconSc BE BComm CEng AMlProDE
Whole-time Staff
Michael Clifton BE AMlCEI
Jeremiah T Cotter BSc
Neil Gillespie GraddlMechE GIHVE
Denis Healy MSc BE AMlAlEE
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 GlMechE
Richard Burns BE GlMechE
Patrick F Cooke BE AMlCEI AMlCEI
James Daly
Richard Daly
Edward P Dune CEng AMlMechE AMlCEI
Patrick J Dunphy DipEng GlMechE
Bernard E Fee
FInbar Fitzgibbon BE
James J Harrington
Lewis Healy BE
Seamus J Homan AMlHVIE
Stanislaus Kenny BE MlCEI AMlCEI
Padraig MacLoughlin
Michael McSweeney
Raymond Mescal BE
Eamonn J O’Brien AMlHVIE
William Rex O’Brien AMIStUCT
Aidan O’Connor DipEng
Richard F O’Leary
James P Owens BE
James Roche
Declan Ryan BE
David Semple
James B Tighe BSc
Andrew Whelan ME AMlCEI AMlCEI
Frank Wight AMlBF HNC
Department of Science and Mathematics
Head of Department: James A Nunn BSc HDlIPEd
Assistant Head: Gerard Lawlor MSc
Whole-time Staff
Jeremiah T Cotter BSc
Una Gillespie BSc
Matthew Niall MSc BComm
Marguerite O’Kelly BA DipSoSc
BSocSc HDIPEd
Louis R Purton BSc
Michael Swords BSc (Lond)
Mary Tully MSc HDlIPEd
Part-time Staff
Patrick J Allen BA HDE (Hons)
William E Boys BA HDlIPEd BSc
Paschal C Brennan BA
Elizabeth Clancy MSc
George Daly BA
John J Delahunty
Catherine Essig
Martin F Flannelin
James N Frawley
Edward P Lynch BA
Owen McBreen MSc
James P McLaughlin BSc
Patrick M Maguire BSc
Seamus O’Dea MA HDlIPEd
William J O’Doherty BA HDlIPEd
Raymond J O’Kelly MSc
Brian L O’Lochlain
Aodh O Ruain
Denis F O’Sullivan MSc
Desmond A Scannell BSc
Patrick F Walsh
Department of Engineering Trades
Head of Department: Thomas McCarthy
Assistant Head: John Gibbin MI (Hons)
Whole-time Staff
Desmond Aungier
Denis McGrath
Charles B O’Brien
Joseph Shields
Part-time Staff
Rupert J Barry
Patrick J Buckley
Patrick A Burke
Patrick T Byrne
Niall Dardis
John D’Arcy AMllArE
Peter Deane
Christopher Duffy
William Fleming
Anthony Gannon
John Gaynor
William D Hughes
William Kennedy
Peter Kenny
James F Lawless
John Moran
Gerard F Murphy
Timothy P Murphy MIrArE
Desmond O’Carroll
Peadar O’Farrell
Sean O’Farrell
Andrew O’Hanlon
Liam R Wynne
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 McDonnell
Stephen Mason
Patrick Murray
John G. O’Gorman GradIMI
Michael O’Neill GradIMI
Desmond Maguire

School of Printing

Head of School: William J. Fitzpatrick AMIOP
Assistant Head of School: Christopher McCullagh Final C & G
Dept Assistant (Letterpress Machine): Philip O’Reilly FTC (C & G)

Whole-time Staff

James F. Bartley Final C & G
Patrick Daly FTC (C & G)
John Foley FTC (C & G)
Morgan F. Heffernan BA
Joseph B. Kennedy Final C & G
Matthew Niall MSc BComm
Dara O. Lochniann NDD MSTD MDIA
Brendan Quinn Final C & G
Joseph Reddin FTC (C & G) AMI PtgM
Kenneth Richards Final C & G
Robert Sharpe

Academic Staff
School of Printing & Book Production

Part-time Staff

Peter A. Barry Final C & G
Joseph Blake
Bernard Culligan
James A. Davidson
Ciaran Donaghy
Ronald Ennis
John Barry Farrell
Alex Gemmell
Bartholomew Hempton
James P. Keane
William Kelly
Michael J. Kennedy
Raymond Kyne NDD FSAS
Stanley McDonald
Bill Murphy NDD MSIA
Allan McLeod-Martin ACCS
Frederick Moraghan
Andrew D. Morris FTC (C & G)
Joseph E. O’Byrne
Brendan O’Dowd
Dermot O’Loughlin
Henry Owens
James Ross
Aidan Ryan
Shamus Wade MIAP AGMA
Kevin Waldron
Kevin B. Walsh

Spiritual Directors

Senior Chaplain: Rev John McAvoey SJ
Rev Edward McAvoey SJ
Rev James A. Davidson
Rev Gerald P Nolan SJ
Rev Kieran Barry-Ryan SJ
Rev Brian Scallon SJ

Physical Education

Michael C. Doogan
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 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 trade training of persons actually employed at and engaged in the various operations 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.

Rules and Regulations
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
Whilst 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 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 misconceiving 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 12.30 p.m. and 2 p.m. to 5 p.m. each week-day except Saturday unless special arrangements are made in specific cases. Evening Classes will normally be held from 7 p.m. to 10 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 posted on the Notice Board. Except during enrolment periods members of the College and staff should not enter the College after 8 p.m. and after 6.30 p.m. during vacations.
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.

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

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.

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The removal of books or journals from the Library is not permitted.

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

1. Technological + Technician Courses (day)
   Architecture, Surveying and Building
   D/1 Architecture. Whole-time.
   D/4C. Course for Building Technicians (progressively supersedes Part-time course in Quantity Surveying). Part-time.
   D/7. Health Inspectors’ Diploma Course, Sandwich.
   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/45. Aircraft Technicians’ Course. Sandwich.
   D/46. Engineering Apprentices’ Courses, A, Sandwich; B, Part-time Sandwich.
   D/47. Trainee Draughtsmen, Sandwich.

2. Technological & Technical Courses (evening)
   Architecture, Surveying and Building
   E/1B. Course for Building Technicians (progressively supersedes course in Building Technology.
   E/2. Land surveying and Levelling.
   E/3. Timber Technology.
   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.
   E/50. Printing Technology.
   E/51. Jig & Tool Design Technology.
   E/56. Typographic Design and Layout.
   E/59. 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)

Architecture, Surveying and Building

Engineering
D/151. Heating and Ventilating Engineering
Craft Practice. Part-time.

Printing


4. Trade Courses (evening)

Architecture, Surveying and Building
E/102. Furniture Trades.
E/103. Carpentry and Joinery.
E/104. Coachpainting.
E/105. Painting and Decorating.
E/106. Plumbing.
E/108. Woodcutting Machinists' Work.
E/110. Structural Steelwork. Engineering
E/141. Fitting and Turning.
E/143. Gas and Electric Welding.
E/144. Patternmaking.
E/145. Foundry Work.
E/146. Brassfinishing.
E/147. Boilermaking.
E/148. Smith and Art Ironwork.
E/149. Metalplate Work.
E/182. Compositors' Work.
E/185. Linotype, Intertype and Teletypesetting.
E/186. Monotype Casting.
E/192. Lithography and Photo-Lithography.
5. Physical Education
E/201. Physical Education for Men.

Architecture Whole-time Course

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.

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 qualifying examination as defined under 1 (a), (b), (c) or (d) may present an alternative sec of subjects as follows—

1. Mathematics.
2. English.
3. Irish or another Language.
4. Latin, Classical Greek, French, Italian, Spanish, German, Russian or Portuguese.
And passed in at least one of the following subjects:—
5. (a) Physics.
(b) Chemistry.
(c) Mechanics, or Applied Mathematics or Mathematical Physics.
(d) History.
(e) Geography.

Subjects of Instruction are:—

First Year

Studio Work; Building Construction and Materials; History of Architecture; Mathematics; Mechanics; Physics; Chemistry; Geometry.

Second Year

Studio Work; Theory of Architecture; History of Architecture; Building Construction; Building Services I; Theory of Structures; Craftwork.

Third Year

Studio Work; Theory of Architecture; Building Construction; Building Services II; Building Materials; Structural Engineering; Craftwork; Surveying and Levelling.

Fourth Year

Studio Work; Theory of Architecture; Building Construction; Structural Engineering; Professional Practice (including Cost Controls and Site Management); Interior Design (including furniture design); Town Planning Theory (including Sociology); Economics.
Fifth Year
Studio Work; Structural Engineering; Professional Practice; Town Planning (Theory); Specifications and Materials.

Studio Work includes Architectural Drawing, Architectural Design, Building Construction, Drawing, Graphics and in the case of the First Year only, Geometrical Drawing, and in the case of the Fifth Year only Landscape Design.

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 Matriculation Certificate of a recognised University.
(b) The Matriculation Certificate of a recognised University.
(c) The General Certificate of Education.

Fee £40 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; Land Surveying (Elements); Town and Country Planning (Elements); Valuations (Elements); National and Local Taxation (Elements).

Third Year
Design and Construction Economics; Economics of Land Use (Elements); Law of Obligations, Rights and Easements; Law of Property (Advanced); Land Surveying (Advanced); Town and Country Planning (Intermediate); Valuations (Intermediate); National and Local Taxation (Advanced); Estate Management (Elements).

Fourth Year
Diploma in Estate Management
Estate Management (Advanced); Valuations (Advanced); Estate Development; Computer Applications; Arbitration and Tribunals; Thesis on an Aspects of Estate Development.

Diploma in Town Planning
Town and Country Planning (Advanced); Economics of Land Use (Advanced); Estate Development; Computer Applications; Arbitration and Tribunals; Thesis on an Aspects of Economics of Land Use.

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

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

Fee £50 per annum.

D/4B. 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/4C. 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 Drainsmanship; Theory of Structures; Local Government Law and Administration; Elementary Hygiene and Introduction to Food Hygiene; 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 Drainsmanship; 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 Cenising; 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
Course of Study:

The subjects studied are:

- Applied Mathematics, Mathematics, English, Physics, Chemistry, Engineering Drawing, Workshop Practice, Social Science and Physical Education.

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/42A. 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 bodies.

(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;
(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

Mathematics, Principles of Electricity, Applied Mechanics and Hydraulics, Physics, Chemistry, Engineering Drawing, Fundamentals of Production, General Studies, Laboratory Work and Workshops, Tutorials, etc.
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 (a) satisfied the examination requirements; (b) have a satisfactory attendance record in each subject they are required to attend; (c) have presented Laboratory and Year's Work to the satisfaction of the examiners; (d) have satisfactorily completed the vacation training programme for the year.

Students may also take the Joint Part I Examination of the Professional Engineering Institutions at the end of the First Year and the Part II examination of the Institution of Mechanical Engineers at the end of the Second or during the Final Year.

Award of Diploma in Mechanical Engineering (Dip. Eng.)
At the completion of the course students who have been successful in the Final Examination and 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.

Award of Diploma in Production Engineering (Dip. Eng.)
At the completion of the course students who have been successful in the Final Examination and who have satisfactorily completed their project will be eligible for the award of the Diploma in Production Engineering. Students holding this Diploma will be granted complete exemptions from the Part I, II and III requirements of the Institution of Production 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 Studentship Part I and Part II examinations of the Institution of Mechanical Engineers and also the Mechanical Engineering Technological Certificate examinations of the Department of Education. Students attend on two days per week.

Entrance Requirements
Leaving Certificate standard or the Elementary Stage of the Department examination in Mechanical Engineering.
Course of Study
First Year* Mathematics, Mechanics, Heat, Light & Sound, Electricity, General Studies.
First Year A Mathematics, Mechanics, Physics, Second Year Mathematics, Mechanics, Heat, Light & Sound, Electricity.
Third and Fourth Years Mechanics of Machines, Strength of Materials, Thermodynamics, Mechanics of Fluids, 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 first year "A" Advanced Level G.C.E.
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. At the end of the first year successful students take up employment as trainees and their course of study in the 2nd and 3rd years will be related to their specialisation in Mechanical, Civil or Heating and Ventilating Engineering.

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

Course of Study
The subjects studied are as follows:—
First Year (Full-time)
Mathematics, Mechanics, Applied Physics, Surveying, Draughtsmanship, General Studies, Workshop Theory and Practice, Tutorials, Philosophy, Physical Education, 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 33 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) have completed a Leaving Certificate or equivalent standard in Mathematics, English, Drawing or Woodwork, or
(b) have been employed at a suitable standard for at least one year in the Automobile Industry or other related trades.

Course of Study
The subjects studied are as follows:—
First Year

Second Year

Examination and Other Requirements
Students are required to
(a) take the Section A examinations at the end of the first year, and
(b) take the Section B examinations at the end of the second year.

Fee £25 per annum.

D/45 Aircraft Technicians' Course
This course is a four-year sandwich course to train Aircraft Technicians for the I.C.A.O. Licensed Maintenance Engineers' Licences issued by the Department of Transport and Power. Students attend the College from September to May inclusive and spend the remainder of the year in the Aircraft Industry.

Entrance Requirements
(a) Intermediate Certificate of the Department of Education with honours in Mathematics, Science, and one other subject, and at least a pass in English and Irish or English; or
(b) Day Group Certificate of the Department of Education with passes in at least the following subjects: Mathematics, Woodwork or Metalwork, Irish or English, Mechanical Drawing, having secured a First Class Pass in Mathematics and Woodwork or Metalwork and one other subject, which need not necessarily be one of those listed above.

Course of Study
The subjects studied are as follows:—
First Year

Second Year

Third Year
Final Year


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 Certificate in Fitters' and Turners' Work and the Department of Education Elementary Stage Technical 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 Technical 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).
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 an apprenticeship to one of the Mechanical Engineering Trades.

Course of Study

First Year

Second Year

Third Year

Fourth Year

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 engineering 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

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
Mathematics, Applied Mathematics, Heat and
Heat Engines, Principles of Electricity,
Workshop Technology, Engineering Drawing,
Engineering Design, English and Report
Writing, Religious Instruction, Physical
Education, Power House Practice.
Second Year
Mathematics, Applied Mathematics, Heat and
Heat Engines, Principles of Electricity,
Workshop Technology, Engineering Drawing,
Engineering Design, English and Report
Writing, Religious Instruction, Physical
Education, Power House Practice.

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
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.
Consequent on 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
specialists 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
typsetting 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.

Entry Requirements
Applicants must have completed an
apprenticeship in heating and ventilating
craft practice, and should preferably have
completed Course D/151.
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 Examining 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 Examinations in technical subjects (e.g. Pass in Intermediate Certificate Examination) will be exempted from 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).

Subjects
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:
O/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 5/6-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
Mechanical Engineering Technicians' Course
Jig & Tool Design Technology Course
Aeronautical Engineering Technicians
Diesel Maintenance

Welding Technicians' Course
Automobile Engineering Course

(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 (293). 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 (293). Fee £10 per annum.

E/44. Aeronautical Engineering Technicians
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 £10 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 £10 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 I.M.I. "Pardon" 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

Second Year

Third Year
Motor Engineering—Theory, Motor Engineering—Practice, Management Practice including Method Study, Motor Trade Practice and Law, Workshop Organisation and Administration, or Parts Merchandising, Parts Department Administration and Organisation.

Fourth Year
Motor Engineering—Theory, Motor Engineering—Practice, Management Practice including Method Study, Motor Trade Practice and Law, Workshop Organisation and Administration, or Parts Merchandising, Parts Department Administration and Organisation.

Fifth Year
Management Practice including Method Study, Motor Trade Practice and Law, Workshop Organisation and Administration or Parts Department Administration and Organisation.

Fee £10 per annum.

E/81. Printing Technology
This is a continuation of the Day Course in Printing Technology constituting the Third Year of the course. Fee £10 per annum.

E/82. Training for Administrative Staff
This course is a continuation of the Day Course for Administrative Staff. (See Course D/82.)

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...
for the examinations of the National Association of Paper Merchants and the City and Guilds of London Institute. Fee £5 per annum.

E/84. Typographic Design and Layout
Course A—This course shall normally occupy four years and may be taken by means of either day or evening classes. Its aim is to prepare compositor students for the examinations of the Department of Education and the City and Guilds of London Institute.
Course B—A two-year course for students of Art and those engaged in publishing houses, design studios, advertising agencies and printing houses. Students will be expected to have at least an elementary knowledge of Typography and are consequently advised to take the Applied Printing course as well.
Fee £5 per annum.

E/89. Basic Diploma Course in Advertising
The part of the above course of the College of Commerce, Rathmines, dealing with Printing and Reproduction methods, is now being taken in the School of Printing.

E/90. Diploma Course in Advertising
The subjects: Printing and Reproduction Methods, Copywriting, Design and Layout of the above course are now being taken in the School of Printing.

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

Typographic Design and Layout
Basic Diploma Course in Advertising
Diploma Course in Advertising
Building Trades 38

Engineering Trades
Fitting + Turning
Motor Mechanic Apprentices
Motor Mechanic Apprentices
Gas and Electric Welding
Metal Plate Work
Heating + Ventilating Engineering Craft Practice
Motor Vehicle Mechanics' Work

Motor Vehicle Electricians' Work
Printing Trades
Bookbinding, Composers' Work,
Letterpress Machine Work.

D/141. Fitting + Turning
A four-year Course, one day per week, for apprentices who have completed the first year of Course D/468.

D/142A. Motor Mechanic Apprentices
A five-year Day and Evening Course requiring attendance for one full day (7 hours) and two evenings (6 hours) per week.

D/142B. Motor Mechanic Apprentices
A five-year Course requiring attendance for one half-day (3 hours) and at least two evenings (6 hours) per week. By taking extra classes in specified subjects students may prepare themselves for the Motor Engineering Technological Examinations of the Department of Education.

D/148. Gas + Electric Welding
A five-year Course requiring attendance on one day per week. This Course meets the requirements of the Irish Welding Association qualification tests for Welders.

D/149 Metal Plate Work
A four-year Course, requiring attendance on one day per week, for apprentices who have completed the first year of Course D/468.

D/151. Heating + Ventilating Engineering Craft Practice
A four-year Course requiring attendance on one day per week.

D/168. Motor Vehicle Mechanics' 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 of London Institute Motor Mechanics' Work Examination at the end of the third year.

D/169. Motor Vehicle Electricians' Work (City & Guilds of London Inst.)
A three-year Course requiring attendance on one day (7 hours) and at least 2 evenings per week. The first year of the Course is the same as Course D/168. At the end of the third year, students take the City and Guilds Motor Vehicle Electricians' examination.

Printing Trades
D/181. Bookbinding
A Block Release course for first, second, third and fourth year apprentices, involving day and evening instruction in the practice and theory of the trade. Students are prepared for the examinations of the City and Guilds of London Institute.

D/182. Composers' Work
A 2-year part-time course for first and second year apprentices, involving evening instruction (17 hours per week) in the theory and practice of the trade and evening instruction (two evenings) in Irish and English. Students are prepared for the Junior Trade Certificate Examinations of the Department of Education. On completion of the course students attend classes for Senior Stage Examinations in Composers' Work of the Department of Education.

D/183. Letterpress Machine Work
A 2-year part-time course, similar in arrangements to the course in Composers' Work.
D/184. Process Engraving
A 4-year part-time course, comprising Junior and Senior stages.

D/185. Linotype, Intertype and Typecasting Courses
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 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 that 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 Patterning, Patternmaking, Foundry Work, Brassfinishing, Boilmaking, Smith and Air 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 Tenessure 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) Boilmakers' Work.
(iii) Brass Finishing.
(iv) Cabinetmaking.
(v) Carpentry and Joinery.
(vi) Compositors' Work.
(vii) Letterpress Machine Work.
(viii) Metalliferous Work.
(ix) Motor Car Engineering.
(x) Painting and Decorating.
(xi) Patterners' 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.