

1966

College of Technology, Bolton Street Prospectus 1966-67

City of Dublin Vocational Education Committee

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OFFICE

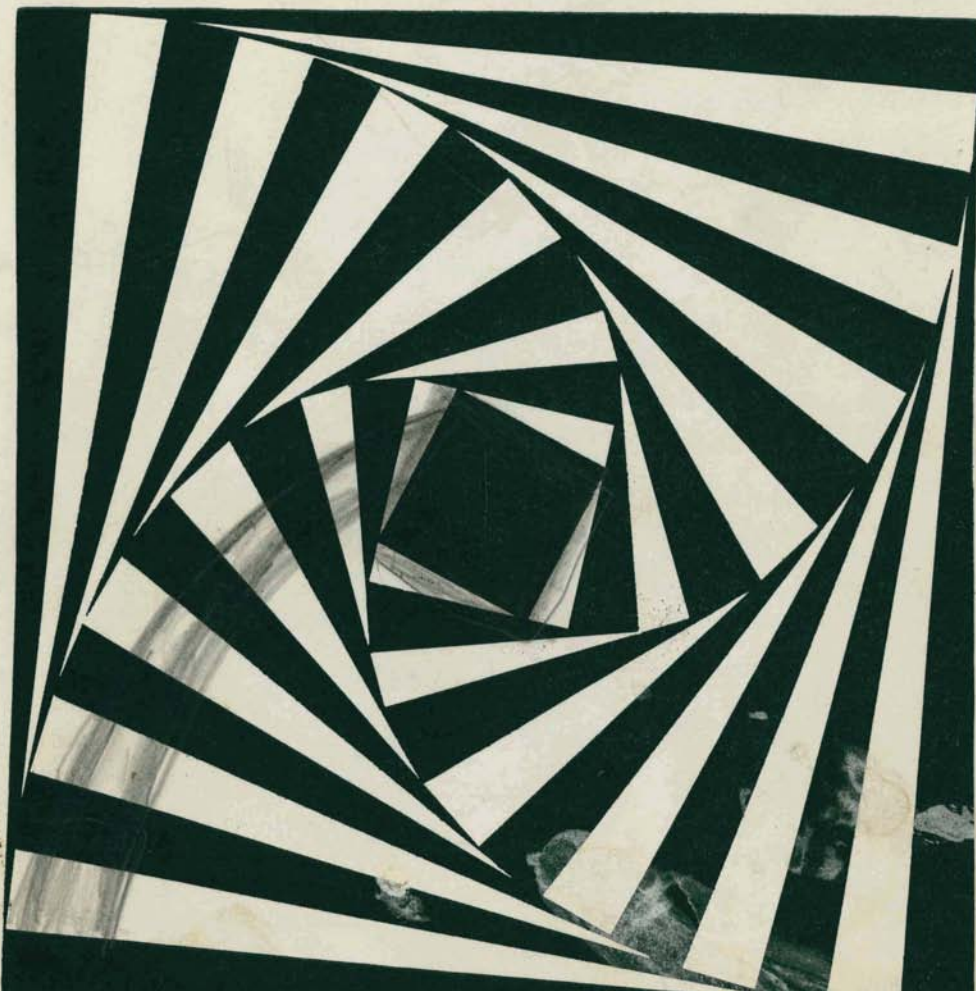
Prospectus 1966/67

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 McCabe TD, 121 St. David's Road,
Terryville, Dublin 4 (Chairman)

Councillor James E. Moran TD, 140
Dunghall Road, Dublin 4 (Vice-Chairman)

Mr. Rex Menzies, J. O'Rourke, STL, PP,
Parochial House, Clonsilla, Co. Dublin

Councillor Mrs. G. Byrne, 2, Victoria Terrace,
Kilmainham, Dublin 4

Mr. Tom O'Donoghue, PC, 1, Terenure Gardens,
Phillymore, Avenue, Terenure, Dublin 2

Councillor Gilbert Mayne, 24 Gill Street,
North East, Dublin 5

Alderman Sean Mearns TD, 25 Victoria
Avenue, Clonsilla, Dublin 4

Mr. Liam Hynes, PC, 1, Jervisway Road,
Rushmore, Dublin 8

Councillor Mrs. C. Lynch TD, 134 Rosinard Road,
Clonsilla, Dublin 4

Councillor Michael Muller, TD, 202, Nemo
Road, Dublin 7

Councillor JJ. Walsh TD, 10, Mount Glasnevin,
Clonsilla, Dublin 4

Mr. Patrick Donaghy, 121, St. David's Road,
Terryville, Dublin 4

Mr. John P. Kenny, 30 Laurel Park,
Clonsilla, Co. Dublin

Mr. Joseph Whelan, 16, Lifford Terrace,
Dunghall, Dublin 4

Mr. Patrick Donaghy, 121, St. David's Road,
Terryville, Dublin 4 (Chairman)

Councillor John McCabe, Chairman, City of
Dublin Vocational Education Committee

Councillor James E. Moran, Vice-Chairman, City of
Dublin Vocational Education Committee

Mr. Rex Menzies, J. O'Rourke, STL, PP,
Chief Executive Officer, City of Dublin
Vocational Education Committee

Mr. Tom O'Donoghue, PC, 1, Terenure Gardens,
Phillymore, Avenue, Terenure, Dublin 2

Mr. Michael Hynes, FRIAS, 19, Merrion Square,
Dublin 2

Mr. A. Harkin, Chief Engineer, Electricity
Supply Board, 27, Lower Fitzwilliam Street,
Dublin 2

Mr. Thomas Donaghy, 'Trustee', Terryville,
Terryville, Dublin 4

Mr. David P. O'Dwyer, Principal, College of
Technology, Bolton Street

Mr. John D. Barry, Deputy Principal, College
of Technology, Bolton Street

*Leathall Rd
Terryville
Dublin 4*

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 Seafort Terrace
Sandymount Dublin 4

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

Councillor Gilbert Hughes 24 Cill Eanna
Howth Road Dublin 5

Alderman Sean Moore TD 25 Victoria
Avenue Donnybrook Dublin 4

Mr Liam Hogan 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 F O'Dwyer Principal College of
Technology Bolton Street

Mr John D Barry Deputy Principal College
of Technology Bolton Street

*Footfall Rd
Terenure
Mt. Eden
Donnybrook*

Architecture

J P Alcock BArch FRIAI
 F B Meehan MRIAI
 H S Robson MSc BArch MRIAI ARIBA
 D O'Toole FRIAI AMTPI

Town Planning

L Carvill 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 FIQS
 G N Semple AIQS
 N Power-Smith AIQS

Building Surveyors' Institute

John J Barrett FBSI
 Incorporated Association of Architects
 and Surveyors
 Stanley J Coggin FIAS FIARB

Building Technology**Institute of Building**

J Jennings FIOB
 D McIlvenna FIOB
 L Thompson BAI MICEI FIOB
 P McGuinness FIOB
 J G McCormack FIOB
 W H Goodey 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 Watt 57 Ranelagh Road Dublin 6
 T W Bamford Managing Director
 Universal Fabricators
 J C Tonge Tonge & Taggart
 H Farrelly District Secretary United Society
 of Boilermakers and Iron and Steel
 Shipbuilders 56 Strandville Avenue Dublin 3

Heating and Ventilating Engineering

(Technician + Technological Courses)
 Eoin O'Cionna BE MICEI AMIEE 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
 Varming & Mulcahy Consulting Engineers
 Robert Jacob & Eamonn O'Brien
 Consulting Engineers
 Reginald Keating GIHVE Hon Secretary
 The Association of Design Engineers
 & Draughtsmen

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 McGuinness
 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 Slevin

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 Drennan
M Geoghegan
Irish Engineering Industrial & Electrical
Trade Union

Robert J Porter
Messrs R W Archer & Co Ltd
Patrick Flanagan Messrs McCairns Motors Ltd
John Keeney LSE Motors Ltd
Maurice Foley Institute of the Motor Industry

Structural Steelwork

L O'Neill National Engineering Union
33 Gardiner's Place
P Dunne
Irish Transport & General Workers' Union

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 Hempton
Amalgamated Society of Lithographic Printers

Principal

Donal F O'Dwyer BArch FRIAI

Deputy-Principal

John D Barry MSc BE MIMechE MICEI

School of Architecture Surveying and Building

Head of School: Vacant
Assistant Head: Albert J Brady BArch
MRIAI

School of Engineering

Head of School: The Deputy-Principal
Assistant Head (Acting): Denis Fitzgibbon
BE CEng AMIMechE

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 McAvoys SJ

Secretary/Registrar

Liam O Dúlacháin FCPA FICA

Offices: 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

School of Architecture Surveying + Building

Head of School: Vacant

Assistant Head: Albert J Brady BArch
MRIA

**Department of Architecture + Town
Planning**

Head of Department: Albert J Brady BArch
MRIA

Assistant Head: John J O'Keeffe BArch
MRIA

Wholetime Staff

Liam Carlin BArch MRIA ARIBA AMTPI

Michael Clifton BE AMICEI

Kevin Fox BArch MRIA

William Gilligan BArch MRIA

Maurice Hogan MRIA

Anthony Johnson BArch MRIA ARIBA

Seamas O hAnnain ATD (London)

Part-time Staff

Louis Carville DipArch DipCivicDes ARIBA
AMTPI

John S Conway BE DipTP (Housing)

AMTPI AMICEI

Una Cradock ANCA

Patrick Delany BArch MRIA AMTPI

Gerard M Farren BSc

John J Gallagher BSc

Leonard Gallagher BArchSc

John Gilroy DipArch MRIA

James Greenfield BA MCD AMTPI

James J Harrington

Robert Noel Hayes BE MSc

Brian Hogan BArch MRIA ARIBA

Piaras Mac Cionnaith BArch MRIA

Raymond McDonnell BArch MRIA

John E McGloughlin DipArch MRIA

Eoin McVeigh DipArch MRIA ARIBA

Leo Mansfield DipArch MRIA

Sean Murphy DipArch MRIA

Naish O'Dowd DipArch MRIA

Dr Anthony Orme BA PhD FGS

Michael O'Sullivan DipArch MRIA

Michael Phillips BArch MRIA

Sean Rothery BArch MRIA ARIBA

Richard Stringer BArch ARIBA AMTPI

Robin Walker BArch MRIA

**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 Parfitt
FRICS FRSH FIARb

Whole-time Staff

Eanna de Burca ARICS

Thomas Carroll MHIA DipPPHI (Sected
from the Department of Health)

Seamus Cunningham MI(Hons)

Christopher Curran AIOB

Una Gillespie BSc

Daniel Kelly BE

Sean Loftus Barrister-at-Law

Patrick McGuinness FIOB

Richard Morrison BSc FRICS

Kevin Murnane ARIBA

Patrick Nugent ARICS

Cornelius Power MEconSc BComm ACIS
ACommA

Part-time Staff

Maurice Brogan ARIBA MRIA

Stanley Coggin FIAS FIARb

Patrick J Conroy MHIA

Dr Ronald Cox MA MAI PhD AMICE
AMICEI

James Culliton FBSI

Richard Deegan ARPS

Dermot Doorley AMIStructE

Anthony Fitzpatrick BComm

Albert Fleming FRICS

John Furey DipHS DipPPHI DipPA MHIA
AMPHIA

Dr Derek Goodhue PhD BSc

Cornelius Healy MHIA

Seamus Homan AMIHVE

Liam Jones MBA BComm

Richard Lahert MHIA DPPHI

Michael Maguire MHIA

Barry McHugh ARICS

Terry McLoughlin ARICS

Michael McNulty MHIA DPPHI

Oliver McNulty GradIStructEng

Phillip Molloy MRIA

Laurence Mullen BA MHIA

Gerard Murphy MRSH MRGPHH

Mary J Neylon Barrister-at-Law

Michael A Nugent MHIA DPPHI

Mannix O'Boyle MRCVS

Eamonn J O'Brien AMIHVE

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 AIQS

Elizabeth O'Shaughnessy BArch

Dr John Walker MB BCh BOA

Capt M Walsh OS BAI

Thomas D Watson MHIA

Arthur West BAI

Visiting Lecturers

David Bailey FRICS

John MacD Broadhead MA FRICS

Noel J Dooley FRICS FIARb

Noel McDonagh FRICS

Kevin I Nowlan BSc BE MTPI

Barrister-at-Law

Ian Roberts MA MAI 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

Gerard O'Toole

Part-time Staff

Christopher Byrne

Francis D Caulfield

Denis Carroll

James Farrell

James Fitzpatrick

John Kenny

Patrick Lawlor

Sean Mac Conaill

John McCormick

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)

Assistant Head: Joseph P O'Byrne FTC (C & G) InIOB

Whole-time Staff

Michael Bridgeman

Thomas Byrne

Andrew Dunne FTC (C & G)

Brendan Dunne LBIldg SI InIOB

Aidan Halpin ABICC Final C & G

Patrick Kelly Final C & G

Thomas Kiernan FTC (C & G)

Michael McDonnell

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 MIMechE MICEI

Assistant Head (Acting): Denis Fitzgibbon BE CEng AMIMech E

Department of Engineering Technology

Head of Department (Acting):

Denis Fitzgibbon BE CEng AMIMechE

Assistant Head of Department (Acting):

Michael O'Donnell MEconSc BE BComm CEng AMIProdE

Whole-time Staff

Michael Clifton BE AMICEI

Jeremiah T Cotter BSc

Neil Gillespie GradIMechE GIHVE

Denis Healy MSc BE AMAIEE

Gerard Lawlor MSc

John McQuillan CEng AMIMechE

Donal Murphy

Henry J O'Neill CEng AMIProdE

Louis R Purton BSc

Michael Swords BSc (London)

Henry F Taylor CEng AMIMechE

Part-time Staff

Edward Tunde Boardman

John Raymond Bolger

John B Broderick MSc

Philip Brunkard GIMechE

Richard Bunyan BE GIMechE

Patrick F Cooke BE AMICE AMICEI

James Daly

Richard Daly

Edward P Dunne CEng AMIMechE AMICEI

Patrick J Dunphy DipEng GIMechE

Bernard E Fee

Finbar Fitzgibbon BE

James J Harrington

Lewis Healy BE

Seamus J Homan AMIHVE

Stanislaus Kenny BE MICE AMICEI

Padraig MacLoughlin

Michael McSweeney

Raymond Mescal BE

Eamonn J O'Brien AMIHVE

William Rex O'Brien AMIStructE

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 AMICE AMICEI

Frank Wight AMIBF HNC

Department of Science and Mathematics

Head of Department: James A Nunan

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 DipSocSc

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

Seamas O'Dea MA HDipEd

William J O'Doherty BA HDipEd

Raymond J O'Kelly MSc

Brian O Lochlainn

Aodh O Ruairc

Denis F O'Sullivan MSc

Desmond A Scannell BSc

Patrick F Walsh

Department of Engineering Trades

Head of Department: Thomas McCarthy

Assistant Head: John Gribben MI (Hons)

Whole-time Staff

Desmond Augier

Denis McGrath

Charles B O'Brien

Joseph Shiels

Part-time Staff

Rupert J Barry

Patrick J Buckley

Patrick A Burke

Patrick T Byrne

Niall Dardis

John D'Art AMIMarE

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 MIMarE

Desmond O'Carroll

Peadar O'Farrell

Sean O'Farrell

Andrew O'Hanlon

Liam R Wynne

Department of Aeronautical Engineering
Head of Department: Thomas McInerney
AMSLAE 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 PMG
Eamonn K Dempsey
James Donohoe AME
Alberic Doody AME
Thomas Higgins AME
James S Hogan AME
Patrick Hogan AME
John A Hughes
Denis McMahan
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 AMInstF 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 McGonnell
Stephen Mason
Patrick Murray
John O'Gorman GradIMI
Michael O'Neill GradIMI
Desmond Maguire

**Department of Plumbing Welding + Metal
Fabrication**

Head of Department: John J Bolton
AMInstW 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 CInstW Final (C & G)
Daniel Rooney

Part-time Staff

Joseph Noel Armstrong C & G Tech
Patrick Bolton
James Bryan Final C & G
Sean Buckley BCD

Albert Byrne Final C & G
William F Carroll
Peter Cowley AlnstW
Christopher Devine
Thomas Doherty
Noel Dunne
Michael C Foran
William Jackson Final C & G
Michael Kane
John F Lynskey
Michael McDaid
Francis N McGloughlin
Seamas P Mohan
Derek Shatwell
Sean Sheridan
Joseph K Walsh

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

John Bennett FTC (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 Lochlainn NDD MSTD MDIA
Brendan Quinn Final C & G
Joseph Reddin FTC (C & G) AMI PtgM
Kenneth Richards Final C & G
Robert Sharpe

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 John 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 MIAPI AGMA
Kevin Waldron
Kevin B Walsh

Spiritual Directors

Senior Chaplain: Rev John McAvoyn SJ
Rev Edward McAsey SJ
Rev Dermot McKenna SJ
Rev Gerald P Nolan SJ
Rev Kieran Barry-Ryan SJ
Rev Brian Scallan SJ

Physical Education

Micheal C Doogan

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 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

Technological and Technical Classes (contd.)

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. Coats, 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.

General Information

(contd.)

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 misconducting 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

General Information
 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.

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.

The sessional fees are shown under the headings for the various courses.

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.

Courses Provided

Technological and Technician Courses (day)

1. Technological+Technician Courses (day)

Architecture, Surveying and Building

D/1 Architecture. Whole-time.

D/2B. Higher Building.

Whole-time, Technicians' Certificate.

D/3B. Diploma Course in Environmental Economics (Progressively supersedes courses in General Surveying). Whole-time.

D/4B. Diploma Course in Construction Economics (Progressively supersedes courses in Building Technology & Quantity Surveying). Whole-time.

D/4C. Course for Building Technicians' (progressively supersedes Part-time course in Quantity Surveying). Part-time.

D/6. Town and Country Planning. Part-time.

D/7. Health Inspectors' Diploma Course, Sandwich.

D/8. Architectural Technicians. Whole-time.

Engineering

D/40 Pre-professional Course in Engineering. Whole-time.

D/41. Preliminary Engineering. Whole-time.

D/42. Diploma Course in Mechanical & Production Engineering. ^{Whole} 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.

D/152. Heating and Ventilating Technicians. Part-time.

D/170. Motor Vehicle Technicians. Part-time.

Technological and Technician Courses (evening)

Printing+Graphic Design

D/81. Printing Technology. Part-time.

D/82. Training for Administrative Staff. Part-time.

D/86. Graphic Design. Part-time.

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.

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/48. Welding Technicians' Course.

E/49. Automobile Engineering.

Printing

E/81. Printing Technology.

E/82. Training for Administrative Staff.

E/83. Applied Printing.

E/84. Costing and Estimating.

E/85. Paper Technology and Marketing.

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)

Architecture, Surveying and Building

- D/101. Bricklaying. Part-time.
- D/102. Furniture Trades. Part-time.
- D/103. Carpentry and Joinery. Part-time.
- D/104. Coachpainting. Part-time.
- D/105. Painting and Decorating. Part-time.
- D/106. Plumbing. Part-time.
- D/107. Vehicle Building. Part-time.
- D/108. Woodcutting Machinists' Work. Part-time.
- D/109. Vehicle Trimming.

Engineering

- D/141. Fitting and Turning. Part-time.
- D/142. Motor Mechanics' Work (A & B) Part-time.
- D/143. Gas & Electric Welding. Part-time.
- D/149. Metalplate Work. Part-time.
- D/151. Heating and Ventilating Engineering Craft Practice. Part-time.
- D/168. Motor Vehicle Mechanics (City & Guilds). Part-time.
- D/169. Motor Vehicle Electricians. Part-time.

Printing

- D/181. Bookbinding. Part-time.
- D/182. Compositors' Work. Part-time.
- D/183. Letterpress Machine Work. Part-time.
- D/184. Process Engraving. Part-time.
- D/185. Linotype, Intertype and Teletypesetting. A. Whole-time; B. Part-time.
- D/188. Stereotyping and Electrotyping. Part-time.
- D/190. Compositors' Work. Block Release.

Physical Education

- D/191. Bookbinding and Warehouse Work. Block Release.
- D/192. Lithography and Photo-Lithography. Block Release.

4. Trade Courses (evening)

Architecture, Surveying and Building

- E/101. Bricklaying.
- E/102. Furniture Trades.
- E/103. Carpentry and Joinery.
- E/104. Coachpainting.
- E/105. Painting and Decorating.
- E/106. Plumbing.
- E/107. Vehicle Building.
- E/108. Woodcutting Machinists' Work.
- E/110. Plastering.

Engineering

- E/141. Fitting and Turning.
- E/142. Motor Mechanics' Work.
- 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/150. Structural Steelwork.

Printing

- E/181. Book Finishing and Book-Edge Gilding, Artistic Book Finishing.
 - E/182. Compositors' Work.
 - E/183. Letterpress Machine Work.
 - E/185. Linotype, Intertype and Teletypesetting.
 - E/186. Monotype Casting.
 - E/187. Monotype Keyboard.
 - E/192. Lithography and Photo-Lithography.
- #### 5. Physical Education
- E/201. Physical Education for Men.

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 on this head shall submit written evidence of such exemption.)

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 set of subjects as follows:—

1. Mathematics.

2. English.

3. Irish or another Language.

4. Latin, Classic 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 Licentiatehip 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 Build-up; 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 £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.

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; Arbitrations and Tribunals; Thesis on an Aspect 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 aspect of the Economics of Land Use.

Practical Experience

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

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/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).

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

- The Secondary Schools Leaving Certificate with a minimum of two subjects at honours level.
- 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.

Practical Experience

Students are required to be employed in the Building Industry.

Entry Qualifications

- The Secondary Schools Leaving Certificate.
 - The Matriculation Certificate of a recognised University.
 - 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 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 Draughtsmanship; Building Science; 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 three months' practical training in industry. Its purpose is to prepare suitable students for entry to the Diploma Courses in Mechanical and Production Engineering.

Entrance Requirements

- (a) Leaving Certificate of the Department of Education with honours in Mathematics, Physics, English and two other subjects; or
- (b) The General Certificate of Education at Ordinary Level in Additional Pure Mathematics, Physics, English Language, and two other subjects; or
- (c) Such other qualifications as the College may deem to be appropriate.

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. 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. Its purpose is to prepare suitable students for entry to the Pre-Professional Course in Engineering or for positions as junior engineering technicians in industry.

Entrance Requirements :

- (a) Leaving Certificate of the Department of Education with passes in Mathematics, English, and three other subjects; or
- (b) have satisfactorily completed a recognised post-Intermediate (or Group Certificate) continuation course.

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 examinations at the end of the session;
- (b) take the G.C.E. examinations at "O" Level in Additional Pure Mathematics, Physics, Chemistry, Technical Drawing and English Language.
- (c) have a satisfactory attendance record in all subjects;
- (d) present laboratory notebooks and year's work to the satisfaction of the College authorities.

Fee £15 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 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

Mathematics, Principles of Electricity, Applied Mechanics and Hydraulics, Physics, Chemistry, Engineering Drawing, Fundamentals of Production, General Studies, Laboratory Work and Workshops, Tutorials.

Second Year

Strength of Materials, Mechanics of Machines, Principles of Production, Thermodynamics, Fluid Mechanics, Electrotechnology and Controls, Civil Engineering, Mathematics and Statistics, Engineering Administration, Engineering Laboratories, General Studies and Tutorials.

Final Year

Strength of Materials, Mechanics of Machines, Design for Production, Applied Thermodynamics and Hydraulic Machines, or Production Engineering, Electrotechnology and Controls, Mathematics and Statistics, Engineering Administration, Project, General Studies and Tutorials.

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;
- have a satisfactory attendance record in each subject they are required to attend;
- have presented Laboratory and Year's Work to the satisfaction of the examiners;
- 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.

(2) Production 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 general scheme and entrance requirements are as in the Mechanical Engineering Diploma Course. In the Final Year students are required to take certain Production Options and the project will have a Production Engineering bias.

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.

Mechanical Engineering Part-time Day Course**D/42B. 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 of Education 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.

Part-time Mechanical Engineering Technicians' Course

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

At the end of the fourth year
Part II, I.Mech.E. examination or Higher Technological Certificate examination of the Department of Education.
Fee £15 per annum.

D/42C. 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.

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 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 :

The entrance standard required is the Secondary Schools Leaving Certificate or an equivalent certificate.

Course of Study :

First Year

English, Mathematics, Heat and Heat Engines, Mechanics, Physics, Chemistry, Engineering Drawing, Electricity, Motor

Vehicle Technology—Theory, Motor Vehicle Technology—Practice, Garage and Motor Workshop Practice, Philosophy, Physical Education.

Second Year

English, Mathematics, Heat and Heat Engines, Mechanics, Physics, Engineering Drawing, Motor Vehicle Technology—Theory, Motor Vehicle Technology—Practice, Garage and Motor Workshop Practice, Philosophy, Physical Education, Principles of Management, Automobile Electricity.

Final Year

Mathematics, Heat and Heat Engines, Mechanics, Engineering Drawing, Motor Vehicle Technology—Theory, Motor Vehicle Technology—Practice, Garage and Motor Workshop Practice, Philosophy, Physical Education, Principles of Management, Machine Construction and Design, Workshop Administration and Organisation, Automobile Electricity.

Examination and Other Requirements

Students are required to

- (a) take the Section A examinations of the above Institutes at the end of the first year
- (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 Art or Drawing 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

French, English, Social Science, Physical Education, Physics, Mechanics, Mathematics, Drawing, Workshop Technology, Aero. Laboratory, Chemistry, Workshop Practice.

Second Year

French, English, Social Science, Physical Education, Mechanics, Mathematics, Drawing, Workshop Technology, Aero. Laboratory, Workshop Practice, Heat Engines.

Third Year

French, English, Social Science, Physical Education, Mechanics, Mathematics, Drawing, Workshop Technology, Aero. Laboratory, Workshop Practice, Heat Engines, Materials.

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, Mechanics, Heat, Machine Drawing, and the City and Guilds of London Institute Examination in Aeronautical Engineering Practice Part I (Paper 171/1 1st Written, 171/2 2nd Written, 171/3 3rd Written)).
- (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 Sc.Calcs. and Drawing, Paper 171/5 Aero. Engineering Practice, 171/8 Power Plant Maintenance, Paper 171/9 Airframe Maintenance). Examinations of S.I.A.E.T. A.F.R.Ae.S. Part I. 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**

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 years 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**

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**

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 Technological 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 (6½ 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 £10 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

Graphic Design**Heating and Ventilating Technicians' Course**

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.

D/170 City and Guilds of London Institute—Motor Vehicle Technicians' Work

This is a two-year part-time day and evening course arranged as an extension of the 168 and 169 courses and students prepare for the Full Technological Certificate in Automobile Engineering. Attendance at the College is required for one full day (7 hours) and two evenings (6 hours) per week.

Entrance Requirements

Students are required to have completed Course 168 or 169 and to have passed either the 168 or the 169 examination.

Course of Study

The subjects studied are as follows:

First Year

Garage Practice, Motor Workshop Practice, Heat Engines and Applied Mechanics, Motor Vehicle Technology Advanced, Mathematics.

Second year

Garage Practice, Motor Workshop Practice, Heat Engines and Applied Mechanics, Motor Vehicle Technology Advanced, Mathematics.

Fee £10 per annum.

Technological & Technician Courses (evening)**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 1) 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 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/1B. 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.

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:

£7 10s. for four subjects.

£1 10s. for each additional subject.

E/41. Graduate Courses in Engineering

A 4/5-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

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(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/46. 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 £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 I.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.

Printing Technology
Training for Administrative Staff

Applied Printing
Costing and Estimating (Printing)
Paper Technology and Marketing

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Second Year

Electricity, Science and Mathematics, Engineering Drawing, Motor Engineering—Theory, Motor Engineering—Practice.

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 £7 10s. 0d. 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 £7 10s. 0d. 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/86. 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.

Every facility is given to students who wish to enter for the Trade Certificate Examinations of the Department of Education or of the City and Guilds of London Institute. These examinations are conducted in the College at the end of the session. The courses are based on the examination syllabuses of these bodies. Generally, students take the Junior Stage of the Trade Certificate Examinations of the Department of Education after two years' instruction and the Senior Stage after a further two years.

Trade Courses (Day)

Fee £5 per annum except where otherwise stated.

Building Trades

Part-time courses involving one-day instruction per week in the practice and theory of the trade. These are normally of 4 years' duration (5 years in the case of Carpentry and Joinery, and Vehicle Building). Woodcutting machinists, on completion of the second year course, transfer to the third year of the evening course. The following courses are provided:

- D/101. Bricklaying.
- D/102. Furniture Trades.
- D/103. Carpentry and Joinery.
- D/104. Coach painting.
- D/105. Painting and Decorating.
- D/106. Plumbing.
- D/107. Vehicle Building.
- D/108. Woodcutting Machinists' Work.
- D/109. Vehicle Trimming.

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, Compositors' Work,
Letterpress Machine Work.

Engineering Trades

D/141. Fitting + Turning

A four-year Course, one day per week, for apprentices who have completed the first year of Course D/46B.

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 Certificate Examinations of the Department of Education.

D/143. 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/46B.

D/151. Heating + Ventilating Engineering Craft Practice

A four-year Course requiring attendance on one day per week.

D/168. Motor Vehicle Mechanics' Work (City & Guilds of London Inst.)

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. Compositors' Work

A 2-year part-time course for first and second year apprentices, involving day instruction (17½ 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 Compositors' Work of the Department of Education.

D/183. Letterpress Machine Work

A 2-year part-time course, similar in arrangements to the course in Compositors' Work.

D/184. Process Engraving

A 4-year part-time course, comprising Junior and Senior stages.

D/185. Linotype, Intertype and Teletypesetting

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 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 Terenure 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) Carpentry 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.

...the following regulations apply to the examination of students in the following subjects: ...

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