

1958

## College of Technology, Bolton Street Prospectus 1958

City of Dublin Vocational Education Committee

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PRINTING

★

ENGINEERING

★

BUILDING

★

ARCHITECTURE

COLLEGE OF TECHNOLOGY  
BOLTON STREET  
DUBLIN

# PROSPECTUS

CITY OF DUBLIN  
VOCATIONAL EDUCATION COMMITTEE

*September, 1958*

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Chief Executive Officer.

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Mr. J. Farrell, Ancient Guild of Brick and Stonelayers' Union.

Mr. J. Dolan, Master Builders' Association.

Mr. S. O'Hanlon, P.C., 1 Turlogh Gardens, Philipsburgh Ave., Dublin.

Offices:—The College of Technology, Bolton Street, Dublin.

DONAL F. O'DWYER, B.ARCH., F.R.I.A.I.,  
Principal.

Telephones: 43553-4/40401.

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Institute of the Architects  
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Standards.

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R. W. O'SULLIVAN, Chief Aero. Officer, Dept. of Industry and  
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COMDT. J. TEAGUE, Army Air Corps, Baldonnel.

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} Dublin Typographical  
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} Master Builders'  
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H. A. HALLETT

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Ventilating Engineers of  
Ireland.

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} Amalgamated Society of  
Woodworkers.

C. CLARKE  
WILLIAM JOYCE

} Irish National Union of  
Woodworkers.

C. M. FORDE  
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ARTHUR C. SIBTHORPE

} National Association of  
Master Painters and  
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} Brick and Stonelayers'  
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H. O'LOUGHLIN      R. SMITH  
W. HOLTON            M. BERKELEY

} Plumbers', Glaziers' and  
Domestic Engineers  
Union.

GERALD DOYLE  
LEO CRAWFORD  
DONAL O'REILLY

} Operative Plasterers'  
Trade Society.

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} National Union of  
Vehicle Builders.

JOHN P. O'LEARY, National Amalgamated Society of Painters.

JOHN MULHALL, Irish National Painters' Union.

L. HUDSON, United House and Ship Painters' Union.

G. J. ROBERTS, Coach and Motor Body Builder.

R. CALLOW, Robert Callow & Sons, Ltd.

J. MANNING, T. & C. Martin, Ltd.

H. R. ARMSTRONG, Brooks, Thomas & Co., Ltd.

**Mechanical Engineering**

J. CASSIDY, General Secretary, National Engineering Union, 33 Gardiner's Place, Dublin.

A. P. TUKE, Irish Engineering Industrial Union, 6 Gardiner's Row, Dublin.

BRIAN D'A. PATTERSON, Personnel Officer, Coras Iompair Eireann, 59 Upper O'Connell Street, Dublin.

H. LENNOX, General Manager, Liffey Dockyard Co., East Wall, Dublin.

S. O'FLAHERTY, Managing Director, Messrs. Motor Distributors Ltd., Naas Road.

GEORGE WATT, Rock Brook, Dundrum Road.

DISTRICT SECRETARY, United Society of Boilermakers and Iron and Steel Shipbuilders, 11 Richmond Hill, Rathmines.

**Motor Engineering**

A. McAULEY, B.S.C., Rolling Stock Engineer, Coras Iompair Eireann, Broadstone, Dublin.

CHARLES WARREN, Society of Irish Motor Traders.

P. THEWLIS, President, Irish Automobile Drivers' and Auto-Mechanics' Union, 99 Drimnagh Road, Dublin.

A. P. TUKE, Irish Engineering Industrial Union, 6 Gardiner's Row, Dublin.

ROBERT J. PORTER, Messrs. R. W. Archer & Co., Ltd.

PATRICK FLANAGAN, Messrs. McCairns Motors Ltd.

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# THE COLLEGE OF TECHNOLOGY

## BOLTON STREET, DUBLIN

*Principal:*

DONAL F. O'DWYER, B.ARCH. F.R.I.A.I.

*Vice-Principal:*

JOHN D. BARRY, M.SC., B.E., M.I.MECH.E., M.I.C.E.I.

The work of the College is organised into three Departments as follows:—

### 1. The Department of Architecture and Building:

*Head of Department:* THE PRINCIPAL.

*Assistant Head of Department (Acting):* ALBERT J. BRADY,  
B.ARCH., M.R.I.A.I.

*Chief Trades Instructor:* ROBERT GRIMES, FULL TECH. C. & G.

### 2. The Department of Engineering:

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*Assistant Head of Department:* GEORGE L. LATCHFORD, B.E.,  
B.S.C.

*Head of Motor Engineering Division (Acting):* JOHN GUIRKE.

*Chief Trades Instructor:* HENRY FITZGERALD, MAN.INST.CERT.  
(HONS.).

### 3. The Department of Printing and Book Production:

*Head of Department:* WILLIAM J. FITZPATRICK, FULL TECH.  
C. & G.

*Assistant Head of Department:* CHRISTOPHER J. McCULLAGH,  
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*Head of The Science Division:* JAMES A. NUNAN, B.S.C., H.DIP.ED.

*Spiritual Directors:*

REV. JOHN McAVOY, S.J.

REV. DONAL MULCAHY, S.J.



## WHOLE-TIME TEACHING STAFF

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A. Johnson, B.ARCH., M.R.I.A.I.,  
A.R.I.B.A.  
D. O'Dwyer, B.ARCH., F.R.I.A.I.  
J. O'Keeffe, B.ARCH., M.R.I.A.I.

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M.I.C.E.I.  
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M.I.C.E.I.  
J. Gribben, MAN.INSTR.CERT.  
(HONS.).  
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W. O'Brien, DIP.ING.  
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TECH. C. & G.  
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TECH. C. & G.  
C. Curran.  
R. Grimes, FULL TECH. C. & G.  
M. Murray, HONS. C. & G.  
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T. Giblin  
J. Guirke  
W. Hunt

### Printing :

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K. Ingoldsby  
C. McCullagh  
P. O'Reilly  
B. Quinn

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P. Mac Cionnaith, B.ARCH.,  
M.R.I.A.I.  
R. McDonnell, B.ARCH.  
B. O'Reilly, B.ARCH., A.R.I.B.A.  
F. Rogerson, B.ARCH., DIP.C.D.,  
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P. Shaffrey, B.ARCH., M.R.I.A.I.

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P. Callinan, F.R.I.C.S.  
P. Delaney, B.ARCH., A.M.T.P.I.,  
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E. Dunne, A.M.I.MECH.E.,  
A.M.I.C.E.I.  
J. Fitzpatrick, M.I.MECH.E.,  
M.I.C.E.I.  
C. McCabe, B.E.  
P. McLoughlin, B.E.  
J. R. Stephen, A.M.I.MAR.E.

### Civil and Structural Engineering :

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S. Kenny, B.E., A.M.I.C.E.  
A. Whelan, B.E., A.M.I.C.E.,  
A.M.I.C.E.I.

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J. Humphries  
T. McInerney  
D. McMahon, A.R.A.E.S.  
J. Maguire  
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D. Tighe  
W. P. Ward  
D. Murray

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### Heating, Ventilating and Air Conditioning :

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T. Twomey, B.E.

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J. McFadden, B.SC.  
W. O'Doherty, B.A., H.DIP.ED.  
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J. B. Tighe, B.SC.  
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I. O'Reilly, A.M.I.E.E.

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### Economics :

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D. O'Halloran, B.COMM.

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C. Dempsey

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B. Fee  
W. Kennedy  
J. F. Lawless  
R. O'Leary  
J. Roche  
P. J. Tierney

### Furniture Design :

L. Milner



**Building and Furniture Trades:****BRICKLAYING:**

E. Byrne J. Thornberry  
D. Cox

**CARPENTRY AND JOINERY:**

B. Dunne F. Maguire  
T. Kiernan J. O'Byrne  
J. McGuirke

**PLUMBING:**

J. Bartley P. Bolton

**PLASTERING:**

L. Comerford W. Saunders

**PAINTING AND DECORATING:**

P. Gordon J. Mezzetti  
J. Kenny

**CABINETMAKING:**

C. Costello

**WOODCUTTING MACHINISTS'****WORK:**

M. Bridgeman J. Wall  
W. Fitzpatrick

**Vehicle Building Trades:****VEHICLE BUILDING:**

P. O'Reilly G. O'Toole

**COACHTRIMMING:**

S. Mac Conaill

**COACHPAINTING:**

P. McKenna R. McNamara

**Engineering Trades:****FITTING AND TURNING:**

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P. Burke R. Tynan

**METALPLATE WORK:**

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C. Devine A. O'Toole

**PATTERNMAKING:**

E. Kennedy

**BOILERMAKING:**

E. Bennett

**IRONMOULDING:**

T. C. Smith

**BRASSMOULDING:**

P. Ryan

**Chief Clerk:** JOSEPH CLARKE

**BRASSFINISHING:**

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**WELDING:**

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R. MacDonnell

**STRUCTURAL STEELWORK:**

F. McGloughlin  
D. Shatwell

**SMITHWORK:**

A. J. Ward

**MOTOR MECHANICS' WORK:**

A. Harbron J. McNamara

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A. McLeod Martin

**PRINTING TECHNOLOGY:**

J. Reddin

**APPLIED PRINTING:**

A. Whelan

**TYPOGRAPHIC DESIGN AND LAYOUT:**

P. McDonnell

**COSTING AND ESTIMATING:**

F. Farrell

**LETTERPRESS MACHINE WORK:**

J. J. Whelan

**PROCESS ENGRAVING:**

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M. Mangan

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**MONO KEYBOARD OPERATING:**

B. O'Dowd

**MONO CASTING:**

P. J. McManus

**STATIONERY AND LETTERPRESS****BINDING:**

A. F. Ronan

**BOOK-EDGE GILDING:**

J. Kinsella

**BOOK FINISHING:**

H. R. Owens

## Conditions Regulating the Admission of Students to Classes and Courses

### 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 Day Apprenticeship Courses in Plumbing, and Bricklaying

These Courses are organised in close association with the Masters' Associations and the various official Trade Unions concerned. As these bodies accept responsibility for the placing of the boys in employment, and as the numbers to be admitted to each year of the Courses must be related to the number of vacancies for employment which are likely to occur in the trades, the Scholarship holders will be selected by examination and interview from boys nominated by the Masters' Associations and Trades' Unions concerned, in accordance with the recommendations drawn up from time to time by the various Advisory Committees and approved by the Vocational Education Committee.

### Practical Workshop Classes in Trade Subjects

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 Committee realise that it is impossible for a person to learn a trade solely by attendance at these classes, and are 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 Committee reserve 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.

The classes in the Department of Architecture and Building to which this regulation refers will be the Evening Trade Classes in Bricklaying; Carpentry and Joinery; Plumbing; Plastering; Painting and Decorating; Cabinetmaking; Woodcutting Machinists' Work; Coachbuilding; Coachpainting; Coachtrimming.



And the Part-time Day Apprentice Workshop Classes in Cabinet-making; Carpentry and Joinery; Plumbing; Painting and Decorating.

For admission to the trade classes as named, 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.

### Day and Evening Technological Courses—Architecture, Quantity and Building Surveying, Land Surveying, Building Technology and Valuation

Only such students will be admitted as have attained a standard of general education that will enable them to follow all the subjects of the Course with profit. In the absence of satisfactory evidence on this point, intending students may be required to pass a qualifying examination as a condition of admission.

*The above Regulations have been adopted by Resolution of the Vocational Education Committee for the City of Dublin and approved by the Minister for Education.*

## COURSES PROVIDED

### 1. TECHNOLOGICAL AND TECHNICIAN COURSES (DAY)

<b>ARCHITECTURE AND BUILDING</b>	D/1. Architecture.	A. Whole-time B. Part-time
	D/2. Building Technology.	Whole-time
	D/3. Surveying (Quantity and Valuation).	A. Whole-time
	D/4. Quantity Surveying.	B. Part-time
	D/5. Valuation Surveying.	Part-time
<b>ENGINEERING</b>	D/41. Preliminary Engineering.	Whole-time
	D/42. Engineering.	A. Whole-time B. Part-time (Mech.) C. Part-time (Struct.) D. Sandwich
	D/43. Engineering Apprentices' Course.	Part-time
	<b>PRINTING</b>	D/81. Printing Technology.

### 2. TECHNOLOGICAL AND TECHNICIAN COURSES (EVENING)

<b>ARCHITECTURE AND BUILDING</b>	E/1. Building Technology.
	E/2. Land-Surveying and Levelling.
	E/3. Town and Country Planning.
<b>ENGINEERING</b>	E/41. Certificate Engineering Course
	E/42. Graduate Engineering Course (for examinations of professional bodies).
	E/43. Automobile Engineering.
	E/44. Aircraft Maintenance (Licence Course).



## 2. Technological and Technician Courses (Evening)—Continued

<b>PRINTING</b>	E/81. Applied Printing.	
	E/82. Costing and Estimating.	
	E/83. Paper Technology and Marketing.	
	E/84. Typographic Design and Layout.	A. Course B. Course

**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 given in the individual sessional prospectus of the Department concerned.

## 3. TRADE COURSES (DAY)

<b>ARCHITECTURE AND BUILDING</b>	D/101. Bricklaying.	Whole-time
	D/102. Cabinetmaking.	Part-time
	D/103. Carpentry and Joinery.	Part-time
	D/104. Coachpainting.	Part-time
	D/105. Painting and Decorating.	Part-time
	D/106. Plumbing.	A. Whole-time B. Part-time
	D/107. Vehicle Building.	Part-time
	D/108. Woodcutting Machinists' Work.	Part-time
<b>ENGINEERING</b>	D/141. Fitting and Turning.	Part-time
	D/142. Motor Mechanics' Work (A & B).	Part-time
	D/143. Welding.	Part-time
<b>PRINTING</b>	D/181. Bookbinding.	Part-time
	D/182. Compositors' Work.	Part-time
	D/183. Letterpress Machine Work.	Part-time
	D/184. Process Engraving.	Part-time

## 4. TRADE COURSES (EVENING)

<b>ARCHITECTURE AND BUILDING</b>	E/101. Bricklaying.	4 Year Course
	E/102. Cabinetmaking.	3rd and 4th Year only
	E/103. Carpentry and Joinery.	5 Year Course
	E/104. Coachpainting.	4 Year Course
	E/105. Painting and Decorating.	4 Year Course
	E/106. Plumbing.	5 Year Course
	E/107. Vehicle Building.	5 Year Course
	E/108. Woodcutting Machinists' Work.	4 Year Course
	E/109. Coachtrimming.	4 Year Course
	E/110. Plastering.	4 Year Course
	<b>ENGINEERING</b>	E/141. Fitting and Turning.
E/142. Motor Mechanics' Work.		5 Year Course
E/143. Welding (Oxy-Acetylene and Elect.).		4 Year Course
E/144. Patternmaking.		3 Year Course
E/145. Foundry Work.		2 Year Course
E/146. Brassfinishing.		3 Year Course
E/147. Boilermaking.		2 Year Course
E/148. Smith and Art Ironwork.		1 Year Course
E/149. Metalplate Work.	5 Year Course	
E/150. Structural Steelwork.	2 Year Course	
E/151. Diesel Maintenance.	2 Year Course	
<b>PRINTING</b>	E/181. Book Finishing and Book-edge Gilding.	2 Year Course
	E/182. Compositors' Work.	3rd and 4th Year only
	E/183. Letterpress Machine Work.	3rd and 4th Year only
	E/185. Linotype and Intertype Operators' Work.	2 Year Course
	E/186. Monotype Casting.	2 Year Course
	E/187. Monotype Keyboard.	2 Year Course

## 5. PHYSICAL EDUCATION

E/201. Physical Education for Men.



## DESCRIPTION OF COURSES

### TECHNOLOGICAL AND TECHNICIAN COURSES (DAY)

#### D/1. ARCHITECTURE

##### (A) Whole-time Course

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

Students are required to spend six months at approved practical training in an architect's office between the fourth and fifth years of the course.

*Entrance Standard:* The Secondary Schools' Leaving Certificate Examination or its equivalent in certain specified subjects.

*Exemptions:* Successful students are exempted from the First Examination, Intermediate Examinations and Final Testimonies of Study of the Royal Institute of the Architects of Ireland, at the end of the first, third and fifth years of the course, respectively.

##### (B) Part-time Course

A 6-year course including day and evening classes to meet the needs of students employed in architectural offices and to prepare them for the Intermediate and Final Examinations of the Royal Institute of the Architects of Ireland. The day classes involve attendance on three or four half days per week.

*Entrance Standard:* As for the Whole-time Course (D/1A).

*Exemptions:* Studio Work executed in the third year of the course may be submitted to the Royal Institute of the Architects of Ireland in lieu of the First Examination and the prescribed Intermediate Testimonies of Study. Studio Work executed in the fourth, fifth and sixth years of the course may be submitted in lieu of the prescribed Final Testimonies of Study of the Institute.

#### D/2. BUILDING TECHNOLOGY

A 3-year whole-time day course to provide training for careers at technical and supervisory levels on the contracting side of the building industry.

The course will prepare students for the examinations of the following bodies: The Institute of Builders (Licentiate Diploma Examination), The Institute of Clerks of Works of Ireland, The Department of Education (Certificate Examinations in Building Technology), and the City and Guilds of London Institute (Certificate Examinations in Builders' Quantities).

*Entrance Standard:* The Secondary Schools Intermediate Certificate Examination or the Day Group Vocational Certificate Examination in certain specified subjects or their equivalent.

#### D/3. SURVEYING (QUANTITY AND VALUATION) (WHOLE-TIME COURSE)

A day course to prepare students for the First and Intermediate Examinations of the Royal Institution of Chartered Surveyors (Quantity and Valuation Surveying Sections). The course is accepted by the Institution as an approved training qualification rendering the students eligible to sit for their First and Intermediate Examinations.

On completion of the third year of the course, Quantity Surveying students continue in the fourth and fifth years of the Part-time Course in Quantity Surveying (D/4), in preparation for the Final Examination of the Institution. On completion of the second year of the course, Valuation Surveying students continue in the third, fourth and fifth years of the Part-time Course in Valuation Surveying (D/5), in preparation for the Final Examination of the Institution.

*Entrance Standard:* The Secondary Schools' Leaving Certificate Examination or the Preliminary Examination of the Royal Institution of Chartered Surveyors or their equivalent.

#### D/4. QUANTITY SURVEYING (PART-TIME)

A 4½-year course including day and evening classes to meet the needs of students employed in surveying and similar offices and to prepare them for the First, Intermediate and Final Examinations of the Royal Institution of Chartered Surveyors (Quantity Surveying Section).

The day classes involve attendance on three half days per week in the first, second and third years and one half day per week in the fourth and fifth years.

*Entrance Standard:* As for the Whole-time Course (D/3).

#### D/5. VALUATION SURVEYING (PART-TIME)

A 4½-year course including day and evening classes to meet the needs of students employed in surveying and similar offices and to prepare them for the First, Intermediate and Final Examinations of the Royal Institution of Chartered Surveyors (Valuation Surveying Section).

The day classes involve attendance on three half days per week in the first, second and third years and one half day per week in the fourth and fifth years.

*Entrance Standard:* As for Whole-time Course (D/3).

#### D/41. PRELIMINARY ENGINEERING COURSE

A 2-year whole-time day course to provide training for employment as draughtsmen in engineering offices and to prepare students for the General Certificate of Education, University of London and



the Common Preliminary Examinations of the Professional Engineering Institutions.

*Entrance Standard:* The Day Group Vocational Certificate Examination (in Mathematics, Science and Drawing) or the Secondary Schools' Intermediate Certificate or their equivalent.

#### D/42. ENGINEERING

##### (A) Whole-time Course

A 4-year course designed to prepare students for the examinations of the Professional Engineering Institutions.

Students are required to spend the period of the summer vacations each year in approved practical training.

*Entrance Standard:* The Common Preliminary Examination of the Professional Engineering Institutions or the Secondary Schools' Leaving Certificate in certain specified subjects, or their equivalent.

##### (B) Part-time Course (Mechanical)

A 4-year course including day and evening classes to meet the needs of students employed in engineering offices and works and to prepare them for:

- (i) The Examinations of the Institution of Mechanical Engineers.
- (ii) The Technological Certificate Examinations in Mechanical Engineering of the Department of Education at Intermediate, Advanced and Higher Technological Levels.

In addition, the first and second year of the course prepares students for the examinations (Joint Part I) of:

- (i) The Institution of Civil Engineers.
- (ii) The Institution of Structural Engineers.
- (iii) The Institution of Heating and Ventilating Engineers.
- (iv) The Institution of Municipal Engineers.
- (v) And for Section A of the Associate Membership Examination of the Institution of Civil Engineers of Ireland.

On completion of these two years, students may continue in the third and fourth years of the Graduate Engineering Evening Course (E/42) in the subjects relevant to each institution's examinations, in preparation for their Part II and Part III examinations.

The day classes involve attendance on two days per week.

*Entrance Standard:* As for the Whole-time Course (D/42A), or the Elementary Technological Certificates in Mechanical Engineering and Mathematics of the Department of Education or their equivalent.

##### (C) Part-time Course (Structural)

This is a 2-year course to prepare students for the Final Examinations of the City and Guilds in Structural Engineering.

*Entrance Standard:* Students are required to be engaged in Structural Engineering Work and to have a standard of general education sufficient to enable them to benefit from the course.

##### (D) Sandwich Course

A 4-year day course, consisting of 3 months whole-time instruction per year, to prepare apprentices for the Trade and Technological Certificate Examinations, in Mechanical Engineering of the Department of Education.

*Entrance Standard:* By selection. Generally on the results of the Day Group Vocational Certificate in certain specified subjects.

#### D/43. ENGINEERING APPRENTICES' COURSE

A 2-year course consisting of one day per week instruction in technological subjects and two evenings per week engineering trade practice and theory. The second year includes an evening class in English.

The course prepares apprentices for the Trade (Junior Stage), and Technological Certificate (Elementary Stage) Examinations in Mechanical Engineering of the Department of Education.

On completion of the course, students may continue in the Part-time Course in Engineering (D/42B) or the Certificate Engineering Evening Course (E/41).

*Entrance Standard:* As for the Engineering Sandwich Course (D/42C).

#### D/81. PRINTING TECHNOLOGY

A 2-year course including day and evening classes to meet the needs of persons employed in the printing industry, aiming at managerial or supervisory careers, and to prepare them for the Advanced Examinations (Final and Full Technological) in Printing of the City and Guilds of London Institute.

Selected students are released from work for one day each week, in order to attend the day classes.

*Entrance Standard:* The Senior Trade Certificate Examinations of the Department of Education in Compositors' Work or Letterpress Machine Work.



## TECHNOLOGICAL AND TECHNICIAN COURSES (EVENING)

### E/1. BUILDING TECHNOLOGY

A 6-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 (Licentiate Diploma Examination); The Institute of Clerks of Works in Ireland (Intermediate and Final Examinations); City and Guilds of London Institute (Certificate Examinations in Builders' Quantities); The Department of Education (Certificate Examinations in Building Technology—elementary, intermediate and advanced stages).

*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.

### E/2. LAND SURVEYING AND LEVELLING

A 2-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 fieldwork held on Saturday afternoons during late spring and early summer.

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

### E/3. TOWN AND COUNTRY PLANNING

A 2-year post-graduate course to prepare students for the Final Examination of the Town Planning Institute.

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

### E/41. CERTIFICATE ENGINEERING COURSE

A 6-year course to prepare students for the Certificate Examinations in Mechanical Engineering of the Department of Education, at Elementary, Intermediate, Advanced and Higher Technological Levels.

**NOTE: MARINE ENGINEERS' CERTIFICATE.** The first four years of this course cover the syllabus Part A of the Certificate of Competency Examination (2nd Class) of the Board of Trade (U.K.). The Board of Trade recognises this College for exemption purposes

and students who have attended courses satisfactorily are entitled to claim partial exemption from the four years of apprenticeship required before going to sea. Students successful at the Department of Education Advanced Stage Examinations in Applied Mechanics and Heat Engines and the Intermediate Stage Examination in Machine Drawing and Construction, Mechanical Engineering Course, are exempt from Part A of the Certificate of Competency Examination (2nd Class) of the Board of Trade.

*Entrance Standard:* See general note below.

### E/42. GRADUATE ENGINEERING COURSE

A 5-year course (including a preliminary year) to prepare students for the examinations of the following professional engineering institutions:

- (i) Institution of Civil Engineers of Ireland;
- (ii) Institution of Civil Engineers;
- (iii) Institution of Structural Engineers;
- (iv) Institution of Mechanical Engineers;
- (v) Institution of Heating, Ventilating and Air Conditioning Engineers;
- (vi) Institute of Marine Engineers;
- (vii) Royal Aeronautical Society.

The course of instruction is common for all Institutions in the Preliminary and First Years.

*Entrance Standard:* See general note below.

### E/43. AUTOMOBILE ENGINEERING

A 5-year course to prepare students for the examinations of the Institute of the Motor Industry and/or the Department of Education (Technological Certificate).

*Entrance Standard:* See general note below.

### E/44. AERO-MECHANICS LICENCE COURSES

These courses prepare ground engineers for the internal examinations of this College which exempt from the Department of Industry and Commerce Examinations for Maintenance Engineers' Licences, Categories A and C.

### GENERAL NOTE: ENTRANCE STANDARD TO ENGINEERING COURSES

Applicants for the above engineering courses should be employed in the appropriate branch of the engineering industry and should have attained a suitable standard of general or technical education.

Before being admitted to the examinations of a professional engineering institution, a student must have passed the Common Preliminary Examination or have obtained exemption therefrom.



### **E/81. APPLIED PRINTING**

A 1-year course to provide those engaged on the clerical and administrative side of the industry with a general knowledge of the crafts involved in modern printing and of the materials and equipment used. During the session visits are made to printing works for a closer study of processes and machines.

### **E/82. COSTING AND ESTIMATING (PRINTING)**

A 3-year course designed to prepare students for the examinations of the British Federation of Master Printers.

### **E/83. 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.

### **E/84. TYPOGRAPHIC DESIGN AND LAYOUT**

#### **Course A**

A 2-year course to prepare compositors for the examinations of the Department of Education and the City and Guilds of London Institute, in this subject.

#### **Course B**

A 2-year course for students of Art and for those who are engaged in publishing houses, design studios, advertising agencies and printing houses.

## **TRADE COURSES**

These courses are for apprentices and young journeymen in the Building, Vehicle Building, Furniture, Engineering and Printing 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)**

### **D/101. BRICKLAYING AND MASONRY**

A 2-year whole-time day scholarship course to give students training in the basic practice and theory of the trade. Entrance to the course is by selection after a qualifying examination and interview. Successful students are awarded scholarships entitling them to free tuition, books, equipment, etc., and a weekly maintenance grant. On completion of the course the students are accepted as third year appren-

tices in the trade and may continue in the third and fourth years of the evening course.

### **D/102. CABINETMAKING**

A 2-year part-time course for first and second year apprentices and involving two days' instruction per week in the practice and theory of the trade. Attendance at this course is compulsory for all first and second year apprentices of the trade in the City of Dublin area under "Attendance Orders" served by a Statutory Committee under The Apprenticeship Act (1931). On completion of the course the students may continue in the evening course.

### **D/103. CARPENTRY AND JOINERY**

A 4-year part-time course for first, second, third and fourth year apprentices, involving one day instruction per week in the practice and theory of the trade.

### **D/107. VEHICLE BUILDING**

A 2-year part-time course for first and second year apprentices, involving one day and two evenings instruction per week in the practice and theory of the trade. On completion of the course students may continue in the third and fourth years of the evening course.

### **D/104. COACHPAINTING**

A 2-year part-time course, similar in arrangements to the course in Vehicle Building (D/107).

### **D/105. PAINTING AND DECORATING**

A 2-year part-time course for first and second year apprentices and involving one day instruction per week in the practice and theory of the trade. On completion of the course students may continue in the third and fourth years of the evening course.

### **D/106. PLUMBING**

#### **(A) Whole-time Course**

A 2-year course, similar in arrangements to the Whole-time Course in Bricklaying and Masonry (D/101).

#### **(B) Part-time Course**

A 2-year course, similar in arrangements to the course in Painting and Decorating (D/105).

### **D/108. WOODCUTTING MACHINISTS' WORK**

A 2-year part-time course, similar in arrangements to the course in Vehicle Building (D/107).

### **D/141. FITTING AND TURNING**

A 3-year part-time course for third, fourth and fifth year apprentices and involving one day instruction per week in the practice of the trade and two evenings instruction per week in trade theory and drawing.



### Course (A) D/142. MOTOR MECHANICS' WORK

A 5-year part-time course for first, second, third, fourth and fifth year apprentices, involving one day and two evenings instruction per week in the practice and theory of the trade.

### Course (B)

A 5-year course, involving one half-day and two evenings per week (three evenings in the fourth and fifth years).

### D/143. WELDING

A part-time course in Oxy-Acetylene and Electric Welding, involving three hours instruction per week in the practice of the trade.

### D/181. BOOKBINDING

A 2- to 3-year part-time course for first, second, third and fourth year apprentices, involving day and evening instruction in the practice and theory of the trade.

### D/182. COMPOSITORS' WORK

A 2-year part-time course for first and second year apprentices, involving day instruction (15 hours per week) in the theory and practice of the trade and evening instruction (two evenings) in Irish and English. On completion of the course students may continue in the evening course.

### 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 2- to 3-year part-time course, similar in arrangements to the course in Bookbinding.

## TRADE COURSES (EVENING)

Evening courses are provided for all trades listed on page 13.

### 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.

## 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) Institution of Civil Engineers of Ireland.
- (ii) Institution of Civil Engineers.
- (iii) Institution of Heating, Ventilating and Air Conditioning Engineers.
- (iv) Institution of Mechanical Engineers.
- (v) Institution of Municipal Engineers.
- (vi) Institution of Structural Engineers.
- (vii) Institute of Marine Engineers.
- (viii) Royal Aeronautical Society.
- (ix) Royal Institute of the Architects of Ireland.
- (x) Royal Institution of Chartered Surveyors.
- (xi) Town Planning Institute.

### 3. Other Bodies

- (i) Board of Trade (Certification for Marine Engineers).
- (ii) British Master Printers' Federation.
- (iii) City and Guilds of London Institute.
- (iv) Department of Industry and Commerce (Licence in Aeronautical Engineering).
- (v) Institute of Builders.
- (vi) Institute of Clerks of Work in Ireland.
- (vii) Institute of the Motor Industry.
- (viii) National Association of Paper Merchants.



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 certifications (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.

#### FEES (Per Session)

D/1 (A)	Architecture (Whole-time), 1st, 2nd and 3rd years	£	s.	d.
	.....	15	0	0
	Architecture (Whole-time), 4th and 5th years	10	0	0
D/1 (B)	Architecture (Part-time)	7	10	0
D/2	Building Technology (Whole-time)	—		
D/3	Surveying (Quantity and Valuation, Whole-time)	15	0	0
D/4	Quantity Surveying (Part-time)	7	10	0
D/5	Valuation Surveying (Part-time)	7	10	0
D/41	Preliminary Engineering (Whole-time)	5	0	0
D/42 (A)	Engineering (Whole-time)	15	0	0
D/42 (B)	Engineering (Part-time)	3	0	0
D/42 (C)	Engineering (Sandwich)	3	0	0
D/43	Engineering Apprentices' Course	2	0	0
D/81	Printing Technology	3	0	0
	All Part-time Day Trade Courses (or single subjects)	2	0	0
E/3	Town and Country Planning (Evening)	5	5	0
	All other Evening Courses (or single subjects)	1	10	0
	Additional Subjects (Evening)	0	7	6
	Pre-Apprenticeship Course (Motor Engineering)	0	10	0


#### EXAMINATION ENTRANCE FEES

WHOLE-TIME COURSE IN ARCHITECTURE :		£	s.	d.
First Year	.....	2	2	0
Second Year	.....	2	2	0
Third Year	.....	2	2	0

(To include the right to sit for one supplementary examination.)



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