

Leaflet No. 4.

COVENTRY LOCAL EDUCATION AUTHORITY

THE TECHNICAL COLLEGE

COVENTRY

Principal : H. V. Field, B.Sc., Wh.Sch., M.I.E.E.

Head of Department :
A. McKinlay, Assoc.U.Coll.S'ton., A.M.I.Mech.E., A.M.I.E.E.

SESSION 1950-51

Building (National Certificates).

Structural Engineering.

Sanitary Inspectors.

Town Planning.

Theory of Structures (R.I.B.A.).

Foremanship.

Plumbing and Sanitary Engineers.

Carpentry and Joinery.

Brickwork.

Gas Fitting.

Gas Supply.

Handicraft (Teacher's Certificate).

W. L. CHINN, M.A.,

Director of Education.

All students should obtain a copy of leaflet No. 1.

College Prospectus

The complete prospectus consists of a number of separate leaflets arranged and numbered as follows:—

- No. 1. General Information, College Regulations, Class and Course Fees.
- No. 2. Mechanical Engineering, and allied courses.
- No. 3. Electrical Engineering and Physics.
- No. 4. Building and allied trades.
- No. 5. Chemistry, Metallurgy, Textiles, Pharmacy, First Medical.
- No. 6. Commercial.
- No. 7. Liberal Studies and Foreign Languages.
- No. 8. Matriculation and Degree courses.
- No. 9. Homecrafts, Bakery and Confectionery, Hairdressing.
- No. 10. Physical Education and Preliminary Courses.

Copies of the leaflets may be obtained at the College Office or the Education Office, Council House, Coventry.

College Office Hours : 8.30 a.m. to 7.30 p.m. on Mondays to Fridays.
8.30 a.m. to 12 noon on Saturdays.

College Telephone No. : Coventry 5032 or 5033.

College Refectory : Lunches daily from 12 to 1.30 p.m., except Saturdays.
Teas daily from 5 to 6.20 p.m., except Saturdays.

Note. All day classes commence at 8.30 a.m. except those marked with a *, these commence at 9 a.m.
All evening classes are from 6.30-9 p.m., except when otherwise stated.

PRELIMINARY COURSE (DAY AND EVENING).

This course is for students who require further instruction before proceeding to the National Certificate or Craft courses. Attendance is one day per week and one evening for practical work.

Class and Day of Attendance				
Mon.	Tues.	Wed.	Thurs.	Fri.
	P2B*			
English—Self Expression ; General Science ; Mathematics ; Drawing <i>together with one of the following subjects :—</i>				
				456
				486
				441

NATIONAL CERTIFICATE IN BUILDING.

Part-time Day Courses.

All students attending this course must attend one evening each week for practical work chosen from:—

Carpentry and Joinery or
Plumbing or
Brickwork

(For purely evening courses see separate section in this leaflet).

Day and Class Number				
Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year (S.1)</i> Building Construction Building Geometry and Drawing Building Geometry Building Mathematics Carpentry and Joinery (Practical) Plumbing (Practical) Brickwork (Practical)				
B1A		B1B		
	461	491		
			445	

continued overleaf

	Day and Class Number				
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>Second Year (S.2.)</i>					
Building Construction				B2	
Building Geometry					
Building Science					
Building Mathematics					
Carpentry and Joinery (Practical)			462		
Plumbing (Practical)	482				
Brickwork (Practical)	446				
<i>Third Year (S.3)</i>					
Building Construction					B3
Building Science					
Building Mathematics					
Carpentry and Joinery (Practical)	463				
Plumbing (Practical)		483			
Brickwork (Practical)		467			
Ordinary National Certificate Examination taken at this stage.					
<i>Fourth Year (A.1)</i>					
Building Construction					
Building Materials and Structures		B4			
Builders' Quantities					
<i>Fifth Year (A.2)</i>					
Building Construction					
Building Materials and Structures				B5	
Builders' Quantities					
Higher National Certificate Examination taken at this stage.					

Note : The City and Guilds of London Institute's Intermediate Examination in the selected practical subject should be taken at the end of the Second year, and the corresponding Final examination at the end of the Fourth year.

Courses for Endorsements of Higher National Certificates.

The courses are of post-National Certificate standard and are held in the evenings.

- Surveying and Levelling—Two years' course—Class 444.
- Costing and Estimating—One years' course—Class 445.

CRAFT COURSES.

Attendance is on one day and one evening (practical work) each week. See evening class lists for particulars.

A special course for adults will be arranged in the evening if required.

Carpentry and Joinery.

	Day and Evening Classes				
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year.</i>					
English Self Expression					
Trade Technology					
Building Geometry and Calculations		BTIC (a)			BTIC (b)
Building Lectures					
Practical Work		457			
<i>Second Year.</i>					
English Self Expression					
Trade Technology					
Building Geometry and Calculations					
Building Lectures					
Practical Work	BT2C (b)		BT2C (a)		
			458		
<i>Third Year.</i>					
Trade Technology					
Building Geometry and Calculations					
Building Science					
Building Construction					
Practical Work	459		BT3C		
<i>Fourth Year.</i>					
Trade Technology					
Building Geometry and Calculations					
Building Science OR Building Construction					
Practical Work					BT4C*
			460		

Intermediate Examinations of the City and Guilds of London Institute taken at the end of the Second Year.

At the end of the Fourth Year students take the examinations for the Final City and Guilds Certificate, the Fellowship of the I.B.I.C.C. and the Worshipful Company of Carpenters.

Plumbing and Sanitary Engineering.

Day and Evening Classes					
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year.</i> English Self Expression Trade Technology Plumbing Science Drawing and Calculations Practical Work		BT1P (a)		BT1P (b)	
				487	
<i>Second Year.</i> English Self Expression Trade Technology Plumbing Science Drawing and Calculations Practical Work	488			BT2P	
<i>Third Year.</i> Trade Technology Drawing and Quantities Sanitary Science Building Construction Practical Work		489			BT3P
<i>Fourth Year.</i> Trade Technology Sanitary Science OR Drawing and Quantities Practical Work			490		BT4P

Intermediate Examination of the City and Guilds of London Institute taken at the end of the Second Year, and Final Examination taken at the end of the Fourth Year.

Further study of Sanitary, Engineering and Heating and Ventilating will be arranged to prepare students for the examinations of the Professional Institutions concerned.

Brickwork.

Day and Evening Classes					
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year.</i> English Self Expression Trade Technology Drawing and Calculations Building Lectures Practical Work	BT1B (a)		BT1B (b)		
			442		
<i>Second Year.</i> English Self Expression Trade Technology Drawing and Calculations Building Lectures Building Science Practical Work	443				BT2B
<i>Third Year.</i> Trade Technology Drawing and Calculations Building Construction Building Science Practical Work		BT3B			
		444			
<i>Fourth Year.</i> Trade Technology Drawing and Calculations Building Construction Building Science Practical Work				BT4B	
				449	

Intermediate Examination of the City and Guilds of London Institute taken at the end of the Second Year, and Final Examinations taken at the end of the Third or Fourth Year.

Plastering.

		Day and Evening Classes				
		Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year.</i> English Self Expression Trade Technology Drawing and Calculations Building Lectures Practical Work	}			BT1PL		
					483	
<i>Second Year.</i> English Self Expression Trade Technology Drawing and Calculations Building Lectures Building Science Practical Work	}		BT2PL			
					484	
<i>Third Year.</i> Trade Technology Drawing and Calculations Building Construction Building Science Practical Work	}					BT3PL
				485		

Intermediate Examination of the City and Guilds of London Institute taken at the end of the Second Year, and the Final Examinations taken at the end of the Fourth year.

Gas Fitting.

Attendance is on one day and two evenings each week. The evening practical class is taken at the Gas Department's Works at Gas Street.

		Day-and Evening Classes					
		Mon.	Tues.	Wed.	Thurs.	Fri.	
<i>First Year.</i> English Self Expression Trade Technology Science Drawing and Calculations Gas Fitting (Practical)	}				BT1P (a)	BT1P (b)	
		472					
<i>Second Year.</i> English Self Expression Trade Technology Science Drawing and Calculations Gas Fitting Theory Practical Work	}				BT2P		
					477		
				473			
<i>Third Year.</i> Trade Technology Drawing and Quantities Building Construction Gas Fitting Theory Practical Work	}				BT3P		
				478			
						474	

Preliminary Examinations for the City and Guilds of London Institute taken at the end of the First Year; Intermediate Examinations taken at the end of the Second Year, and Final Examinations taken at the end of the Third Year. Ancillary subjects for Gas Supply (Institution of Gas Engineers) may be taken during the Third and Fourth Years.

For Gas Engineering (Supply).

Present students must consult the Head of Department regarding Associate Membership of the Institution of Gas Engineers to decide on necessary ancillary subjects.

New students will come under the new regulations operating for above qualification and must consult the Head of Department. Certificate in Gas Salesmanship and Consumer Service.

Suitable ancillary subjects.

Students studying for the City and Guilds of London Institute's Examination in Gas Technology (Supply) must follow the course as laid down by the City and Guilds.

1st Year.

Mathematics (S.1), Engineering Drawing (S.1), Engineering Science.

2nd Year.

Mathematics (S.2), Engineering Science (S.2), Chemistry (S.1).

3rd Year.

Gas Technology (Supply) two evenings per week and Engineering Drawing (S.2).

**NATIONAL CERTIFICATE IN BUILDING.
Evening Courses.**

This is a special course for adults only.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year (N.1).</i> Building Construction Building Geometry and Drawing Building Mathematics	400		405	548	
<i>Second Year (N.2).</i> Building Construction Building Geometry Building Mathematics Building Science II	549	401		406 408	
<i>Third Year (N.3).</i> Building Construction Building Science III Building Mathematics Ordinary National Certificate taken at this stage.	550		402		409
<i>Fourth Year (A.1).</i> Building Construction Building Materials and Structures Builders' Quantities	418	410		403	
<i>Fifth Year (A.2).</i> Building Construction Building Materials and Structures Builders' Quantities Higher National Certificate taken at this stage.	404	411			419

All classes commence at 6.30 p.m. and end at 9 p.m.

Structural Engineering.

These classes are arranged to cover the requirements of the Institution of Structural Engineers and should only be taken by students who have reached Higher National Certificate standard.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
Theory of Structures I Theory of Structures II Reinforced Concrete Design I Reinforced Concrete Design II	416	414		415	
			417		

All classes commence at 6.30 p.m. and end at 9 p.m.

Special Classes for R.I.B.A. Students.

These classes are arranged in conjunction with the Art School to cover the requirements of the Intermediate and Final Examinations of the Royal Institute of British Architects.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
Building Materials and Structures I Building Materials and Structures II	413		412		

Special Classes for Adults.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
Builders' Quantities I Builders' Quantities II Technology of Timber Builders' Estimating (A.1) Surveying and Levelling (A.1) Surveying and Levelling (A.2) General Woodwork Woodwork for students attending the Soft Furnishing classes	420	422 424 433*	423	434*	421 431 432

*These classes are from 4.30-6.30 p.m. All other classes are from 6.30-9 p.m.

Handicraft (Teacher's Certificate).

This course prepares for the City and Guilds of London Institute's Teachers of Handicraft Examination (Woodwork). Students not exempt from the ancillary subjects may make arrangements to take these subjects as part of the course.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>First Year.</i> Handicraft Drawing and Design Handicraft (Practical)	437		435		
<i>Second Year.</i> Handicraft Drawing and Design II Handicraft (Practical) II		436		438	

All classes are from 6.30-9 p.m.

Sanitary Inspectors' Course.

The College is a recognised centre for courses leading to the Sanitary Inspectors' examination. The formation of classes is dependent on demand.

EVENING CRAFT COURSES.

These courses are for Adults and for apprentices who have already attended the part-time day classes. The standard of work is based on the requirements of the City and Guilds Final Examination.

		Class Number and Evening of Attendance				
		Mon.	Tues.	Wed.	Thur.	Fri.
Plumbing.						
Trade Technology	City & Guilds I	496				
Plumbing Science	" " " I		498			
Practical	" " " I					
Trade Technology	City & Guilds II				497	494
Sanitary Science	" " " II		499			
Practical	" " " II			495		
Carpentry and Joinery.						
Trade Technology	City & Guilds I			466		
Trade Science	" " " I				468	
Practical	" " " I	464				
Trade Technology	City & Guilds II	467				
Trade Science	" " " II				469	
Practical	" " " II			465		
Brickwork.						
Trade Technology	City & Guilds I		450			
Trade Science	" " " I	452				
Practical	" " " I			448		
Trade Technology	City & Guilds II	451				
Trade Science	" " " II		453			
Practical	" " " II				449	
Gas Fitting.						
Trade Technology	City & Guilds I		479			
Practical	" " " I				475	
Trade Technology	City & Guilds II	480				
Practical	" " " II			476		

Town Planning.

The courses are arranged to cover the chief subjects for the Examinations of the Town Planning Institute.

Two years' evening course for the Intermediate Examination.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>1st and 2nd Year Intermediate.</i>					
Historical Development of Planning	425				
Principles of Design and Outline History of Architectural Design			426		
Outlines of Planning Law					427

Two years' evening course for the Final Examination.

	Class No. and Evening of Attendance				
	Mon.	Tues.	Wed.	Thurs.	Fri.
<i>1st Year Final.</i>					
Civil Engineering in relation to Planning	428				
Elements of Applied Geology and Economic Geography			429		
Outlines of Social and Economic Organisation Law					430

All classes 6.30 p.m.-9 p.m.

The intermediate course was commenced last session and new students for this course must have reached such a standard as to be able to benefit from the second year of the course.

Classes for the Final Examination will be commenced if there is sufficient demand.

Foremanship in Building.

A course for above, occupying one evening per week, will be offered in September. This course will comprise lectures, demonstrations and discussion periods. For more detailed information see separate sheet.

Licentiate Institute of Builders (L.I.O.B.).

A course for above qualification will be formed if there is sufficient demand.

NOTES FOR STUDENTS OF BUILDING.

- (a) Students not qualified to enter the first year of any course shall be required to take a **Preliminary Course**.
- (b) **NATIONAL CERTIFICATES** in Building—Ordinary, after three years' study, and the Higher after a further two years' study—are awarded by a Joint Committee consisting of representatives of the Ministry of Education; The Institution of Civil Engineers; Institution of Structural Engineers; Royal Institute of British Architects and the Building Industry.

The examinations are held in the College, usually in June. The following qualifying conditions are laid down for each year of the course: (i) 60 per cent. of the possible attendances, (ii) 40 per cent. of the possible marks for homework and classwork or laboratory work taken separately for each subject, (iii) 40 per cent. of the possible marks in each subject in the examinations.

To be awarded the certificate, students must also obtain not less than 50 per cent. of the grand total of possible marks obtainable in the final year. Of this grand total the possible marks in the final examination should constitute 70 per cent. and the remaining 30 per cent. should be the possible marks for homework and classwork (including laboratory work and drawing office work) in the final year.

- (c) **City and Guilds** examinations are taken at the College for all the Building Trades Courses provided. The Certificates awarded are Intermediate, Final and Full Technological.
- (d) For the award of the City and Guilds Certificates in **Gas Fitting** students must qualify in each year of the course, according to the standards laid down by the Institution of Gas Engineers and the City and Guilds of London Institute.
- (e) For the award of the Ordinary Certificate in **Gas Supply** students must pass in the ancillary subjects and conform to the standards laid down by the Institution of Gas Engineers. (See new regulations for 1950 onwards).
- (f) **Plumbing** students may qualify for the Royal Sanitary Institute and the Institution of Heating and Ventilating Engineers during or after their Course for the City and Guilds Certificates in Plumbing.
- (g) **Brickwork, Carpentry and Joinery and Plumbing** students qualify for the award of the Full Technological Certificate of the City and Guilds of London Institute only if the complete course, including Building Construction, Drawing and Science is taken.