



B Eng Tech in Fire Engineering

This modular part-time programme has been developed by DIT in collaboration with the Institution of Fire Engineers (Republic of Ireland branch) and is an ordinary degree programme in Fire Engineering (NQAI level 7) which is aimed at members of the fire services and the fire safety/engineering sector in general.

Structure

The programme runs over four stages, and can be completed in four years. Students normally complete 40 credits of taught modules in each stage (45 + project in stage 4). The programme is run on a semesterised basis, with classes from September to December, and late January to early May. Examinations are held in mid-January and late May. The programme is delivered at the DIT Bolton St campus.

Content and Timetable

Please see overleaf for details

Award

Students who successfully complete the 4 stages receive a DIT B. Eng. Tech award, at level 7 of the NQAI framework. A level 6 Higher Certificate award is available for students who exit after successfully completing stage 3.

Career Opportunities

This programme is suitable for career development in the fire services and fire engineering sector generally, and will permit advanced entry to honours degree programmes in the relevant fields..

Entry Requirements

Students require one to the following to enter the programme:

- A minimum of 5 subjects in the Leaving Certificate or equivalent to include at least two ordinary level C3's or equivalent, a pass in English or Irish and an Ordinary level D3 grade in Mathematics; *or*
- Successful completion of the IFE Preliminary Exams; *or*
- Mature students with relevant work experience

Advanced Entry/Exemption

Holders of the IFE Level 3 Diploma ("Graduate Exam") can enter the programme in stage 2 with exemptions from approximately 50% of the modules. Holders of the IFE Level 3 Certificate ("Intermediate") enter at stage 1 with exemption from one module, Fire Safety 1. Other exemptions due to prior qualifications or experience will be dealt with on a case by case basis.

This programme will run based on a minimum number of applicants being accepted for each relevant stage of the programme.

Part-Time Programmes

Civil & Building Services Engineering



Schedule of Modules

An Indicative timetable is given below as a guideline to attendance requirements. Exact details will depend on student numbers and timetabling considerations.

Indicative Timetable Stage 1

Day	Time	Semester 1	Semester 2
Thurs	18-20	Engineering Physics 1	Engineering Physics 2
	20-22	Fire Safety 1	Fire Safety 1
Wed	18-20	Engineering Chemistry 1	Engineering Chemistry 2
Fri	9-11	Engineering Chemistry Lab	Engineering Chemistry lab
	11-1	Engineering Maths & Computing I	Engineering Maths & Computing II
	2-4	Tutorials	Tutorials

Indicative Timetable Stage 2

Day	Time	Module	Semester 2
Tue	16-18	Built Environment 1	Fire Service Management 1
	19-22	Engineering Management 1	Engineering Management 1
Wed	19-22	Applied Energy Systems 1	Applied Energy Systems 2
Thu	17-20	Engineering Maths & Computing III	Engineering Maths & Computing IV
	14-16	Structures	
	20-22	Tutorials	Tutorials

Indicative Timetable Stage 3

Day	Time	Semester 1	Semester 2
Tue	18-20	Engineering Maths & Computing V	Engineering maths & Computing VI
wed	19-22	Engineering Management 2	Engineering Management 2
Thu	12-13, 14-15		Building Law/Safety Legislation
	14-17		Building Services
	18-20	Fire Safety Systems	Fire Service Management 2
	20-22	Tutorials	Tutorials

Indicative Timetable Stage 4

Day	Time	Semester 1	Semester 2
Mon	19-22	Thermodynamics	Thermodynamics
Tue	18-20	Fire service Management 3	Professional Development 3
	20-22	CAD & I.T.	Fire Safety Legislation
Thu	14-17	Fluid Mechanics	
	17-19	Tutorials	
	19-22	Engineering Mathematics	Tutorials/Project Preparation

For Further Information contact:

Dr Barry Duignan
Faculty of Engineering
DIT Bolton St.
Dublin 1

t (353) 1 402 3881
e barry.duignan@dit.ie

Applications should be made to:

School Administrator
School of Civil & Building Services Engineering
DIT Bolton St
Dublin 1

t (353) 1 402 4039
e: CBSE@dit.ie

