

DEPARTMENT OF CIVIL ENGINEERING & CONSTRUCTION



The courses currently being offered in the Department of Civil Engineering and Construction lead to a wide range of career opportunities in the construction industry – from civil engineers designing bridges, roads and structures or water and waste-water treatment plants; quantity surveyors costing construction projects; construction managers managing sites; fire safety engineers implementing fire safety technology to architectural technologists designing building details.

Professional accreditation is sought for all courses in the department. The BEng in Civil Engineering, one year add-on and BSc (Hons) in Fire Safety Engineering are accredited by Engineers Ireland (graduates are deemed to meet the educational standard for the professional title Associate Engineer - accepted internationally under Sydney Accord). The four year ab-initio BEng (Hons) in Fire Safety Engineering is accredited by Engineers Ireland as satisfying the educational standard for the title of Chartered Engineer with further learning, recognised internationally under the Washington Agreement. The Quantity Surveying Honours degree is accredited by the Society of Chartered Surveyors Ireland (SCSI). LYIT holds Chartered Institute of Building (CIOB) Accredited Centre Status and accreditations. Accreditation is also sought for the relevant programmes from the Chartered Association of Building Engineers (CABE).

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CAO Course Listing

CAO Code	CAO Course Title
LY508	Bachelor of Engineering (Hons) in Fire Safety Engineering
LY518	Bachelor of Science (Hons) in Quantity Surveying
LY528	Bachelor of Science (Hons) in Construction Management
LY538	Bachelor of Science (Hons) in Architectural Technology
LY507	Bachelor of Science in Quantity Surveying
LY527	Bachelor of Engineering in Civil Engineering



Fire Safety Engineering

Bachelor of Engineering (Hons) in Fire Safety Engineering

National Framework: Level 8

CAO Code: LY508

Duration: 4 years

Number of Places: 24

Reserved Quota:

10 - QQI FET Applicants

Points in Recent Years:



Year	Final	Median
2018	242	274
2019	270	299

Is this course for you?

Fire safety engineering is a broad discipline which covers a wide range of areas such as fire prevention, detection, escape, suppression and control. Major tragedies such as the Grenfell Tower in London or domestic fires in Ireland leading to loss of life and property means that fire safety engineering is crucial in building design, construction, maintenance and occupation.

The aim of this course is to deliver engineers who have scientific and practical skills to undertake both prescriptive and performance based fire safety design.

Learners initially take core modules, coupled with a work placement, in mathematics, fire science, fluids, thermodynamics, building services, construction technology and structural design along with general construction elements such as CAD, construction economics, land surveying and technical writing. The learner then progresses to fire safety subjects such as human behaviour, fire and reliability modelling, structural fire engineering and fire safety management.

Theoretical and practical modules coupled with a work experience placement, including a BIM multidisciplinary integrated project and a dissertation provide the graduate fire safety engineer with a skill set unique to this country and in demand internationally.

Accreditation

The four year course has recently secured full accreditation by Engineers Ireland, reaching the honours' degree academic standard for Chartered Engineer (with further study).

Career opportunities

Successful graduates find themselves working in the following sectors:

- Fire Safety Engineering Consultancy
- Local Authority – Fire Service, Planning
- Public Sector – HSE, Prison Service, Airport Authority
- Architectural Practice

Graduate careers typically include:

- Fire Safety Engineer
- Fire Officer in a range of private and public sector contexts

Minimum Entry Requirements:

Minimum Six O6/H7
Maths O6/H7
English or Irish O6/H7
At least two H5



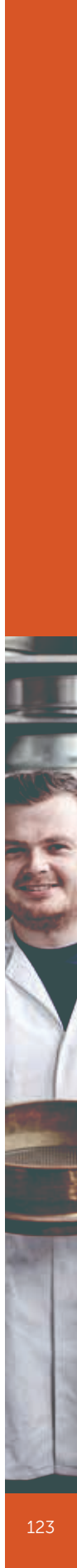
What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 1	Fire Technology 1 (M)	5	Fire Technology 2 (M)	5
	Construction Technology 1 (M)	5	Construction Technology 2 (M)	5
	Elementary CAD (M)	5	Building Services 1 (M)	5
	Mathematics 1 (M)	5	Mathematics 2 (M)	5
	Physics 1 (M)	5	Physics 2 (M)	5
	Technical Writing & Communication (E)	5	Land Surveying & GIS (E)	5
	Land Surveying & GIS (E)	5	Technical Writing & Communication (E)	5
Year 2	Fire Technology 3 (M)	5	Fire Science (M)	10
	Advanced Construction Technology (M)	5		
	Mathematics 3 (M)	5	Mathematics 4 (M)	5
	Fluid & Thermodynamics 1 (M)	5	Fluid & Thermodynamics 2 (M)	5
	Structural Design & Materials (M)	5	Building Services 2 (M)	5
	Measurement & Construction Economics (M)	5	Site Organisation (M)	5
Year 3	Fire Dynamics (M)	10	Work Placement (M)	10
	Fire Safety Design (M)	10	Fire Protection Systems (M)	10
	Fire Service Operations (M)	5	Mathematics 6 (M)	5
	Mathematics 5 (M)	5	Fire Design Project (M)	5
Year 4	Applications of Fire Safety Engineering Principles (M)	10	Structural Fire Engineering (M)	10
	Fire Modelling & Reliability Engineering (M)	10	Dissertation (M)	10
	Construction Law & Professional Ethics (M)	5	Human Behaviour in Fire (M)	5
	Dissertation Proposal (M)	5	Fire Safety Management (M)	5

(M) = Mandatory, (E) = Elective

Follow-on courses

- Masters degree (by research) at LYIT or elsewhere
- Taught Masters degrees in other institutes and universities at home and abroad



Quantity Surveying

Bachelor of Science (Hons) in Quantity Surveying

National Framework: Level 8

CAO Code: LY518

Duration: 4 years

Number of Places: 24

Reserved Quota:

10 - QQI FET Applicants

Points in Recent Years:



Year	Final	Median
2018	316	342
2019	307	368

Is this course for you?

This programme is designed for those who wish to work as professional quantity surveyors and economic managers in the construction industry. The qualification will enable graduates to commence the process of becoming a Chartered Surveyor.

The Quantity Surveying profession is at the forefront of ensuring that property owners receive value for money for the life cycle of construction projects. This programme has been developed in collaboration with industry and includes a one year placement in Year 3.

Applicants with a (UK) Foundation Degree in a relevant area are eligible to join year two of the programme.

Applicants with a Diploma in Quantity Surveying (typically non-EU students) are eligible for entry to year three (Active Learning Year) of the programme.

Accreditation

LYIT has obtained partnership with the Society of Chartered Surveyors Ireland (SCSI). The honours degree is accredited by SCSI and also recognised by the worldwide professional body, the Royal Institution of Chartered Surveyors (RICS), by reciprocal agreement.

The honours degree is accredited by CIOB for full academic exemption towards Chartered Membership (MCIOB).

Career opportunities

Successful graduates find themselves working in the following sectors:

- Professional Quantity Surveying (PQS)
- Building Contracting
- Property Development
- Housing Associations
- Local & Central Government
- Manufacturing Industry
- Insurance & Loss Adjusting

Graduate careers typically include:

- Quantity Surveyor
- Construction Cost Manager

Minimum Entry Requirements:

Minimum Six O6/H7

Maths O6/H7

English or Irish O6/H7

At least two H5



What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 1	Quantity Surveying Skills (M)	5	Measurement & Pre-Contract Cost Planning (M)	10
	Elementary CAD (M)	5	BIM Graphics Communications (M)	5
	Construction Technology 1 (M)	5	Construction Technology 2 (M)	5
	Mathematics 1 (M)	5		
	Physics 1 (M)	5	Building Services 1 (M)	5
	Technical Writing & Communication (E)	5	Land Surveying & GIS (E)	5
	Land Surveying & GIS (E)	5	Technical Writing & Communications (E)	5
Year 2	Measurement & Estimating 1 (M)	10	Economics (M)	10
	Tendering & Procurement (M)	5	Measurement & Estimating 2 (M)	5
	Advanced Construction Technology (M)	5	Building Services 2 (M)	5
	Building Contract Law (M)	5	Site Organisation (M)	5
	Engineering Methods & Electro-Mechanical Draughting (M)	5	Measurement Project (M)	5
Year 3	Work Placement:			
	Active Learning Diary & Professional Competencies (M)			25
	Research Project (M) (<i>Dissertation Proposal & Data Collection Report</i>)			10
	Management Practice in the Built Environment (M)			10
Year 4	Capstone Project (M)			15
	Measurement & Development Project 1 (M)	10	Measurement & Development Project 2 (M)	10
	Financial Management (M)	10	Dissertation (M)	10
	Construction Law & Professional Ethics (M)	5	Applied Contract Administration (M)	5
	Dissertation Proposal (M)	5	Financial Information for Decision Making in Construction (M)	5

(M) = Mandatory, (E) = Elective

Follow-on courses

- Masters degree (by research) at LYIT or elsewhere
- Taught Masters degrees in institutes and universities at home and abroad
- Professional Membership of the Society of Chartered Surveyors Ireland (SCSI) following one year minimum of further work experience



Construction Management

Bachelor of Science (Hons) in Construction Management

National Framework: Level 8

CAO Code: LY528

Duration: 4 years

Reserved Quota:

10 - QQI FET Applicants

Number of Places: 24



Year	Final	Median
2018	260	298
2019	267	291

Is this course for you?

Interested in a dynamic career in construction? Then this course is the ideal choice for you. The 4-year programme was developed to enable learners to become construction professionals who are at the forefront of technological developments in the Construction sector such as Building Information Modelling (BIM), sustainability and surveying techniques.

Construction Managers require a combination of engineering, business, organisational and management skills. This programme aims to provide graduates with the necessary skill set to successfully fulfill the role of Construction Manager who is key to the planning, construction, maintenance and sustainable management of the buildings of the future.

The environmental targets from the Government's Climate Action Plan will require Construction Managers to know how to construct low energy buildings and reduce waste.

The programme offers learners multi-discipline project based modules. The subjects cover a wide range of expertise pertinent to the construction industry allied with more general business and management modules.

Accreditation

LYIT holds Chartered Institute of Building (CIOB) accredited Centre Status.

This honours degree is accredited by the CIOB and therefore provides a route to full chartered membership (MCIOB).

Career opportunities

The programme leads to qualification in an area where strong employment opportunities have been identified, namely, Construction Management utilising BIM processes and technology. A shortage of construction professionals within the industry means that graduates have excellent career prospects with employers being:

- Building and Civil Engineering Contractors
- Surveying Consultants
- Property Developers
- Property Services Consultants.

Graduate careers typically include:

- Construction Manager
- Contracts Manager

Minimum Entry Requirements:

Minimum Six O6/H7
Maths O6/H7
English or Irish O6/H7
At least two H5



What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 1	Construction Technology 1 (M)	5	Construction Technology 2 (M)	5
	Fire Technology 1 (M)	5	Building Services 1 (M)	5
	Mathematics 1 (M)	5	Mathematics 2 (M)	5
	Elementary CAD (M)	5	BIM Graphic Communications (M)	5
	Physics 1 (M)	5	Physics 2 (M)	5
	Technical Writing & Communication (E)	5	Technical Writing & Communication (E)	5
	Land Surveying & GIS (E)	5	Land Surveying & GIS (E)	5
Year 2	Architectural History & Conservation (M)	5	Integrated BIM Project (M)	10
	Engineering Methods & Electro Mechanical Drafting (M)	5	Renewable Energy Resources (M)	5
	Surveying 1 (M)	5	Surveying 2 (M)	5
	Structural Design & Materials (M)	5	Building Services 2 (M)	5
	Measurement & Construction Economics (M)	5	Site Organisation (M)	5
	Advanced Construction Technology (M)	5		
Year 3	BIM for Virtual Design & Construction VDC (M)	10	Document Control & Public Procurement (M)	5
	Financial Management (M)	10	Building Energy Management (M)	5
	Digital Communications (M)	5	Digital Land Surveying (M)	5
	Statutory Approvals (M)	5	Professional Practice (M)	5
			Work Placement (M)	10
Year 4	Construction Management 1 (M)	10	Construction Management 2 (M)	10
	Sustainable Construction Methods (M)	10	Financial Information for Decision Making in Construction (M)	5
	Construction Law & Professional Ethics (M)	5	Dispute Mitigation & Resolution (M)	5
	Dissertation Proposal (M)	5	Dissertation (M)	10

(M) = Mandatory, (E) = Elective

Follow-on courses

- Masters Degrees in other institutes and universities at home and abroad
- Progression towards chartered membership of Chartered Institute of Building (CIOB) following a minimum of three years of relevant work experience

Architectural Technology

Bachelor of Science (Hons) in Architectural Technology

National Framework: Level 8
CAO Code: LY538
Duration: 4 years
Number of Places: 24

Reserved Quota:
10 - QQI FET Applicants
Points in Recent Years:



Year	Final
2019	new

Is this course for you?

The role of the Architectural Technologist is undergoing change for a variety of reasons as we move towards professionalisation of the sector and implementation of BCAR (Building Control Amendment Regulations).

The standards and techniques used in modern construction are constantly evolving; architectural drawings are increasingly produced using 3D software; building legislation strives to ensure the protection of the environment and the public have become more discerning in their appreciation of architecture.

Architectural technology education is undergoing radical change due to the global implementation of Building Information Modelling (BIM). The Architectural Technologist's relationship with other building professions has become more intricate due to an increasing complexity of building and design technologies. The aim of this programme is to produce graduates with an in-depth knowledge of construction technology and detailing who have high level skills and competencies to work as Architectural Technologists.

Architectural Technology will play an important role in future sustainability and environmental impact under the Government's Climate Action Plan.

The third year is a one year structured placement (Active Learning Year) working in an architectural practice or capacity.

Accreditation

Accreditation is sought from the registration (UK) body, the Chartered Institute of Architectural Technology (CIAT).

Career opportunities

Successful graduates find themselves working mainly in the following sectors:

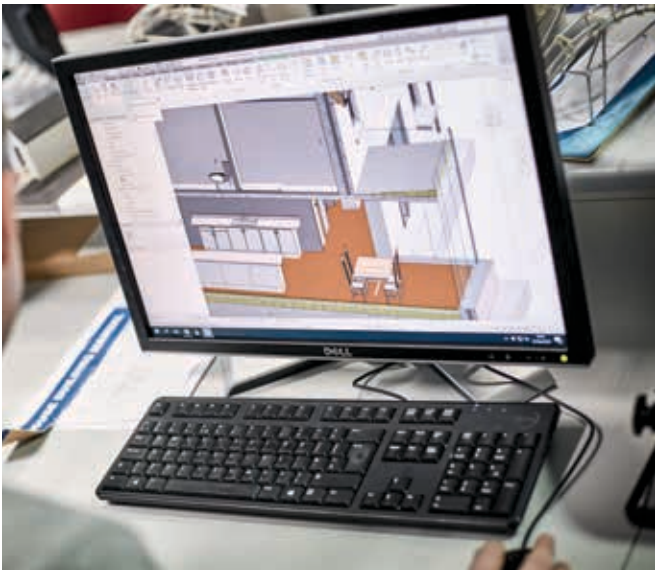
- Architectural Practice
- Building Information Modelling (BIM)
- Local Authority
- Property Development
- Housing Associations
- Engineering
- Manufacturing
- Graphic Design

Graduate careers typically include:

- Architectural Technologist
- BIM Manager

Minimum Entry Requirements:

Minimum Six O6/H7
Maths O6/H7
English or Irish O6/H7
At least two H5



What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 1	Architectural Project 1 (M)	10	Architectural Project 2 (M)	10
	Construction Technology 1 (M)	5	Construction Technology 2 (M)	5
	Mathematics 1 (M)	5	Building Services 1 (M)	5
	Physics 1 (M)	5	BIM Graphic Communications (M)	5
	Technical Writing & Communication (E)	5	Land Surveying & GIS (E)	5
	Land Surveying & GIS (E)	5	Technical Writing & Communication (E)	5
Year 2	Architectural Project 3 (M)	10	Architectural Project 4 (M)	15
	Construction Technology 3 (M)	5	Construction Technology 4 (M)	5
	Structural Design & Materials (M)	5	Site Organisation (M)	5
	Architectural History & Conservation (M)	5	Building Services 2 (M)	5
	Applied Graphic Communications (M)	5		
Year 3	Work Placement:			
	Active Learning Diary & Professional Competencies (M)			25
	Research Project (M) (<i>Dissertation Proposal & Data Collection Report</i>)			10
	Management Practice in the Built Environment (M)			10
Year 4	Capstone Project (M)			15
	Architectural Project 5 (M)	15	Architectural Project 6 (M)	15
	Building Energy Performance (M)	5	Specification & Tendering Procedures (M)	5
	Statutory Approvals (M)	5	Dissertation (M)	10
	Dissertation Proposal (M)	5		

(M) = Mandatory, (E) = Elective

Follow-on courses

- Masters degree (by research) at LYIT or elsewhere
- Taught Masters degrees in other institutes and universities at home and abroad



Quantity Surveying

Bachelor of Science in Quantity Surveying

National Framework: Level 7
CAO Code: LY507
Duration: 3 years
Number of Places: 24
Reserved Quota:
10 - QQI FET Applicants

Points in Recent Years:



Year	Final	Median
2018	166	316
2019	164	278

Is this course for you?

If you like the idea of being able to examine building drawings and know how much it would cost to make them a reality, then this course could be for you. Quantity surveyors estimate and manage the construction costs of building projects – they take building design drawings and decide how much of each material is needed, the costs involved, the project planning needed to get it off the ground and any tax or legal implications that may arise. This course teaches the practical measuring skills and the legal, financial and business knowledge needed for careers in this area. The course has been developed in collaboration with industry and includes a one year work placement in Year 3.

Career opportunities

Successful graduates find themselves working in the following sectors:

- Professional Quantity Surveying (PQS)
- Building Contracting
- Property Development
- Housing Associations
- Local & Central Government
- Manufacturing Industry
- Insurance & Loss Adjusting

Accreditation

LYIT holds Chartered Institute of Building (CIOB) Accreditation Centre status. The BSc in Quantity Surveying ordinary degree is recognised for academic exemptions towards Chartered Membership of CIOB.

Graduate careers typically include:

- Quantity Surveyor
- Estimator

Minimum Entry Requirements:

Minimum Points Score 160
Minimum Five 06/H7
English or Irish 06/H7
Maths O6/H7



What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 1	Quantity Surveying Skills (M)	5	Measurement & Pre-Contract Cost Planning (M)	10
	Elementary CAD (M)	5	BIM Graphics Communications (M)	5
	Construction Technology 1 (M)	5	Construction Technology 2 (M)	5
	Mathematics 1 (M)	5	Building Services 1 (M)	5
	Physics 1 (M)	5		
	Technical Writing & Communication (E)	5	Land Surveying & GIS (E)	5
	Land Surveying & GIS (E)	5	Technical Writing & Communication (E)	5
Year 2	Measurement & Estimating 1 (M)	10	Economics (M)	10
	Tendering & Procurement (M)	5	Measurement & Estimating 2 (M)	5
	Advanced Construction Technology (M)	5	Building Services 2 (M)	5
	Building Contract Law (M)	5	Site Organisation (M)	5
	Engineering Methods & Electro-Mechanical Draughting (M)	5	Measurement Project (M)	5
Year 3	Work Placement:			
	Active Learning Diary & Professional Competencies (M)			25
	Research Project (M) (<i>Dissertation Proposal & Data Collection Report</i>)			10
	Management Practice in the Built Environment (M)			10
	Capstone Project (M)			15

(M) = Mandatory, (E) = Elective

Follow-on courses

- Bachelor of Science (Hons) in Quantity Surveying LY518 (See Page 124)
- Bachelor of Science (Hons) in Construction Contracts Management (See below)
- Bachelor of Science (Hons) in Sustainable Construction Management (See Page 136)
- Progression towards chartered membership of Chartered Institute of Building (CIOB) following 3 - 5 years relevant work experience

Add-on Level 8 Course

Bachelor of Science (Hons) in Construction Contracts Management

What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 4	Construction Management 1 (M)	10	Construction Management 2 (M)	10
	Construction Law & Professional Ethics (M)	5	Work Placement (M)	10
	Statutory Approvals (M)	5	Dispute Resolution & Mitigation (M)	5
	Research Report (M)	5	Industry Case Study (M)	5
			Financial Information for Decision Making in Construction (M)	5

(M) = Mandatory

Follow-on courses

- Masters degree (by research)
- Masters degrees at other institutes or universities
- Progression towards chartered membership of Chartered Institute of Building (CIOB) following a minimum of three years of relevant work experience



Bachelor of Engineering in Civil
Engineering, LYIT (2018)

"I enjoyed the practical learning
most of all".

Ronan McNamee

A wealth of practical knowledge

Ronan Mc Namee was no stranger to LYIT when he returned as a mature student. Having previously completed a Level 8 (Hons) degree in Accounting, on graduation with his business degree, a managerial job in retail offered Ronan an opportunity to travel and experience life.

During this time, Ronan reflected on and researched his career choices and concluded that his lifelong interest in engineering was worth exploring.

"My love for maths and tangible results inspired my decision to study Civil Engineering. I love to see the finished building project".

Civil Engineering is concerned with all of the infrastructure that contributes to modern civilisation. Civil Engineers are involved in the planning, design and construction of facilities for living, industry and transport.

The return to education went smoothly for Ronan when he began a BEng in Civil Engineering at LYIT. "It was exciting and daunting to be back studying. The small class sizes provided a personal learning environment where it was easy to ask questions and participate in class discussions, making it fun.

It meant that we could get involved and have a hands-on experience of what I was learning. Rather than watching a demonstration, we actually got to perform the practical activities.

"I enjoyed the practical learning most of all".

The supports for students are incredible. The Curve, which is a learning centre within the college, provided me with extra support for

maths; I availed of additional tutorials there whenever I felt I needed to.

The lecturers at LYIT were excellent. They were always approachable and happy to help, even outside class times. They provided great encouragement for all of us and they went above and beyond to help us with employment opportunities.

While at LYIT, I was introduced to CHH Construction Engineers, who offered me a summer placement. This was an invaluable opportunity to get real-life experience. During my time working with CHH, I was involved in the design, planning and construction of dwellings, housing estates and warehouses in Sligo and Galway."

Since graduating in 2018, Ronan has continued his civil engineering studies to honours degree level at Trinity College Dublin, winning both the Crampton Prize and the Morgan Sheehy Prize along with another LYIT classmate and graduate, Jack McDevitt, for their project work.

"The research project in third year at LYIT, providing me with research skills and knowledge, has really helped me to accomplish my dream of progressing to a Masters in Civil Engineering.

My fondest memory of LYIT is the people whom I met along the way. The small groups encouraged me to mix with all my classmates and we often worked together and supported each other on projects. We have stayed in contact since graduating and we still meet up."

Ronan works with DBFL Consulting Engineers Ireland, who are one of Ireland's leading engineering consultancies with offices in Dublin, Cork and Waterford.

"Studying at LYIT has provided me with exceptional experience and opportunities".

Civil Engineering

Bachelor of Engineering in Civil Engineering

National Framework: Level 7

CAO Code: LY527

Duration: 3 years

Number of Places: 24

Reserved Quota:

10 - QQI FET Applicants

Points in Recent Years:

Year	Final	Median
2018	176	317
2019	166	351

Is this course for you?

Civil Engineering is concerned with most of the infrastructure that contributes to modern civilisation. Civil Engineers are involved with the planning, design and construction of facilities for living, industry and transport. This programme is designed to provide a broad based 3 year training in the field of Civil Engineering from which graduates typically may complete two further years of study elsewhere to become honours Civil Engineering or Master of Engineering (MEng) graduates.

Accreditation

The BEng in Civil Engineering meets the Engineers Ireland education standard for the registration of Associate Engineer.

Career opportunities

Successful graduates find themselves working in the following sectors:

- Civil Engineering
- Structural Engineering
- Environmental Engineering
- Local & Central Government
- Construction Materials / Quarries

Graduate careers typically include:

- Civil Engineer
- Land Surveyor
- Site Engineer

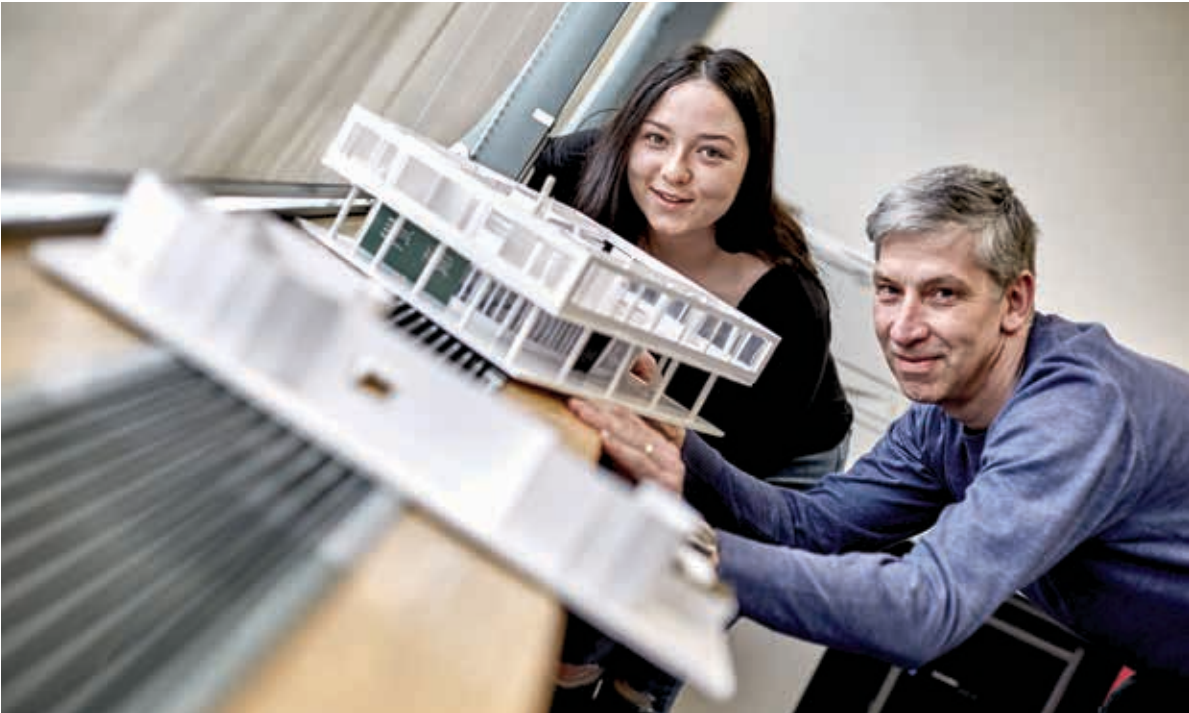
Minimum Entry Requirements:

Minimum Points Score 160

Minimum Five O6/H7

English or Irish O6/H7

Maths O6/H7



What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 1	Structures 1 (M)	5	Structures 2 (M)	5
	Elementary CAD (M)	5	BIM Graphics Communications (M)	5
	Construction Technology 1 (M)	5	Construction Technology 2 (M)	5
	Mathematics 1 (M)	5	Mathematics 2 (M)	5
	Physics 1 (M)	5	Physics 2 (M)	5
	Technical Writing & Communication (E)	5	Technical Writing & Communication (E)	5
	Land Surveying & GIS (E)	5	Land Surveying & GIS (E)	5
Year 2	Structures 3 (M)	5	Structures 4 (M)	5
	Civil Engineering Methods & Health & Safety (M)	5	Civil Engineering Research Project (M)	5
	Surveying 1 (M)	5	Surveying 2 (M)	5
	Mathematics 3 (M)	5	Mathematics 4 (M)	5
	Materials Technology (M)	5	Soil Mechanics 1 (M)	5
	Fluid Mechanics (M)	5	Water & Wastewater Technology (M)	5
Year 3	Structures 5 (M)	5	Structures 6 (M)	5
	Mathematics 5 (M)	5	Mathematics 6 (M)	5
	Hydraulics (M)	5	Highway & Traffic Engineering (M)	5
	Civil Engineering Materials (M)	5	Soil Mechanics 2 (M)	5
	Environmental Engineering (M)	5	Professional Practice (M)	5
	Civil Engineering Project 1 (M)	5	Civil Engineering Project 2 (M)	5

(M) = Mandatory, (E) = Elective

Follow-on courses

- Bachelor of Science (Hons) in Fire Safety Engineering (See Page 136)
- Bachelor of Science (Hons) in Sustainable Construction Management (See Page 136)
- Bachelor of Science (Hons) in Construction Contracts Management (see page 131)
- Level 8 degrees in Civil or Structural Engineering in institutes and universities at home and abroad



Bachelor of Science (Hons) in Fire Safety Engineering

Add-on Level 8 Course

What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 4	Fire Dynamics (M)	10	Project (M)	10
	Fire Safety Design (M)	10	Fire Protection Systems (M)	10
	Quantitative Risk Analysis (M)	5	Fire Safety Management (M)	5
	Research Report (M)	5	Human Behaviour in Fire (M)	5

(M) = Mandatory

Follow-on courses

- Masters degree (by research)
- Taught Masters degrees at other institutes or universities

Bachelor of Science (Hons) in Sustainable Construction Management

Add-on Level 8 Course

What will I study?

	Semester 1	Credits	Semester 2	Credits
Year 4	Construction Management 1 (M)	10	Construction Management 2 (M)	10
	Sustainable Construction Methods (M)	10	Dissertation (M)	10
	Construction Law & Professional Ethics (M)	5	Building Energy Management (M)	5
	Dissertation Proposal (M)	5	Financial Information for Decision Making in Construction (M)	5

(M) = Mandatory

Follow-on courses

- Masters degree (by research)
- Taught Masters degrees at other institutes or universities
- Progression towards chartered membership of Chartered Institute of Building (CIOB) following a minimum of three years of relevant work experience

