



Fife College

make
it
yours



A professional career in the Built Environment

Your guide to pursuing a professional career in the construction industry

www.fife.ac.uk/built

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A growing industry, a reliable career

Scotland's construction industry is set for growth in most sectors over the next five years, according to the latest forecast from the Construction Industry Training Board (CITB).

This is an incredibly exciting time to be involved in the Scottish construction sector. Not only has the last few years seen infrastructure grow at an accelerated level due to several major projects, such as the Queensferry Crossing, but now the CITB is forecasting more growth in the sector over the next five years.

If your ambition is to build a career in construction, we can offer you a solid foundation in whichever technician or management area interests you.

In this guide you'll find all the information you need to make an informed decision about a career in Construction Management, Quantity Surveying, Interior Design, Architectural Technology, or Civil Engineering.

It also contains information on our School College Partnership offering and commercial training opportunities.

**For full information,
visit www.fife.ac.uk/built**

We work in partnership with every high school in Fife to offer a vocational, work-based experience to complement your academic studies at school.

This means that you don't have to wait until you've finished school to start your journey towards your career!

We offer Foundation Apprenticeship: Civil Engineering for school pupils as well as Levels 1 and 2 of Design Engineer Construct.

Find out more at
www.fife.ac.uk/schools

**design...
engineer...
construct!®**

**National Certificate:
Architecture with Interior Design
SCQF Level 6**

This is a design course which aims to introduce you to the essential key skills required to begin a career in the design industry. You will be encouraged to develop imaginative and creative ideas while working on a series of design projects.

On this course, there is a strong emphasis on developing a wide range of technical and model making skills and techniques. You will develop freehand and technical drawing skills – including an introduction to 3D modelling computer software.

Course facts

Location: Glenrothes
Duration: 1 year full-time
Entry Requirements:
2 National 5s including Art or
Graphic Communication

**For full course information
and entry requirements,
head to our website.**

**National Certificate: Built Environment
SCQF Level 6**

This course is the perfect starting point for those interested in a career in the built environment.

It develops knowledge, understanding, and skills relevant to all careers within the industry and gives you the opportunity to study construction technology, computer aided design (CAD), drawing for construction, site surveying, and a range of other interesting subjects.

Course facts

Location: Glenrothes
Duration: 1 year full-time
Entry Requirements:
2 National 5s including Maths

**For full course information
and entry requirements,
head to our website.**

What's next?

After your National Certificate, you can progress to a range of professions in the built environment sector at HNC and HND level at Fife College.

An HNC is the same level as the first year of a university degree, and an HND is the same level as the second year.

This means that you could progress straight to second or third year at university when you've completed your college course.

**For more information and to apply,
visit www.fife.ac.uk/built**

WHERE TO START?

CONSTRUCTION MANAGEMENT



What skills will I need?

Teamwork
Planning
Communication
Problem solving



What exactly does a Construction Manager do?

The easy answer is: lots!
It's an incredibly diverse job and includes managing and overseeing major construction and civil engineering projects, forecasting travel patterns, and developing strategies for managing the impact of traffic-related demand.

Professional membership

Upon completion of your HNC, you will be able to register with the Chartered Institute of Building (CIOB) and with relevant experience continue your professional development to acquire Chartered status.



How to get there

HNC: Construction Management
SCQF Level 7

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This nationally recognised course has been designed to provide all the knowledge and understanding you'll need for a career in construction management.

Course facts

Location: Dunfermline
Duration: 2 years part-time
Entry Requirements:
1 Higher

For full course information and entry requirements, head to our website.

Convenient study

We know that taking time out to study full-time isn't always the easiest option for everyone, that's why our HNC in Construction Management is delivered part-time over two years on an evening basis.

Progression to degrees

Because an HNC is the same as the first year of a degree, we are able to offer the opportunity to progress directly onto year 2 of Heriot-Watt University's BSc (Hons) Construction Project Management (full-time course) or similar project management degrees at other universities after successful completion of HNC: Construction Management.

For more information and to apply, visit www.fife.ac.uk/built



CONSTRUCTION MANAGEMENT

QUANTITY SURVEYING

What skills will I need?

- Apptitude for numbers and figures
- Organisational
- Problem solving
- Communication
- Keen interest in Law and economic contracts

What exactly does a Quantity Surveyor do?

Quantity surveyors are the cement that holds the construction industry together. They are responsible for managing construction costs and contracts, and ensuring that projects are completed on time, within budget, and to a high quality finish.

They measure the value of a construction project, from the initial project start right up to the completion stage. They need to have an in-depth understanding of the complete construction cycle and the roles of each professional and trade required to build a successful project.

Professional membership

Upon completion of your HND, you will be able to register with the Royal Institute of Chartered Surveyors (RICS) and, with relevant experience, continue your professional development to acquire Associate status.



How to get there

HNC: Quantity Surveying
SCQF Level 7

Designed to provide you with the knowledge and understanding necessary to start a career in quantity surveying, this course is also ideal for those already working in the sector who are looking to gain a promotion.

Course facts

Location: Glenrothes
Duration: 2 years part-time
Entry Requirements:
1 Higher or relevant experience

For full course information and entry requirements, head to our website.

HND: Quantity Surveying
SCQF Level 8

As the next step from HNC: Built Environment, this HND allows you to specialise in quantities, estimating, quantity surveying practice, economics, law, and technology.

Course facts

Location: Glenrothes
Duration: 2 years full-time
Entry Requirements:
1 Higher (for year 1) or relevant experience

For full course information and entry requirements, head to our website.

Progression to degrees

Completing your HND with us could see you entering a university degree in year 3. We work in partnership with Heriot-Watt University, Edinburgh Napier University, and Robert Gordon University to offer progression from our HNC/HND: Quantity Surveying to BSc (Hons) Quantity Surveying.

For more information and to apply, visit www.fife.ac.uk/built



QUANTITY SURVEYING

INTERIOR DESIGN

What skills will I need?

- Creative
- Problem solving
- Keen interest in CAD and sketching/drawing
- Teamplayer
- Communication



What exactly does an Interior Designer do?

There's more to a career in interior design than you may imagine. Interior design is about designing spaces and places for people and solving problems to improve the world around us.

Daily, an interior designer may liaise with clients to determine the purpose, cost, technical specification and potential uses/users of product, as well as prepare sketches, designs, mock-ups, and storyboards for consideration by clients.

Professional membership

The British Institute of Interior Design (BIID) is the pre-eminent professional organisation for interior designers in the UK. Their membership represents both the commercial and residential sectors, from heritage to cutting edge.

How to get there

National Certificate: Architecture with Interior Design
SCQF Level 6

This is a design course which aims to introduce you to the essential key skills required to begin a career in the design industry. You will be encouraged to develop imaginative and creative ideas while working on a series of design projects.

On this course, there is a strong emphasis on developing a wide range of technical and model making skills and techniques. You will develop freehand and technical drawing skills – including an introduction to 3D modelling computer software.

HNC: 3D Interior Design
SCQF Level 7

This course is about learning to understand a design brief and designing spaces and places for people, creating interior schemes, and solving problems to improve the world around us.

You will learn about the history of design and understand modern architectural influences, as well as learning 3D modelling softwares such as Vectorworks and Photoshop. It enables you to develop the creative, analytical, and technical skills needed for jobs in the interior design profession.

HND: 3D Interior Design
SCQF Level 8

This course is designed to enhance the skills you have gained during the HNC and to build a portfolio suitable for university or employment. You will work with projects and live design briefs to raise the level of design work through computer-generated, hand-drawn, and model making techniques.

Progression to degrees

Starting your journey with us could see you entering a university degree in years 2 or 3. We work in partnership with Heriot-Watt University to offer progression from our HND to year 3 of BA (Hons) Interior Design.

For more information and to apply, visit www.fife.ac.uk/built

Course facts

Location: Glenrothes
Duration: 1 year full-time
Entry Requirements:
2 National 5s including Art or Graphic Communication

For full course information and entry requirements, head to our website.

Course facts

Location: Glenrothes
Duration: 1 year full-time
Entry Requirements:
1 Higher and a suitable portfolio or a suitable National Certificate

For full course information and entry requirements, head to our website.

Course facts

Location: Glenrothes
Duration: 1 year full-time
Entry Requirements:
HNC: 3D Interior Design and a suitable portfolio

For full course information and entry requirements, head to our website.



INTERIOR DESIGN

ARCHITECTURAL TECHNOLOGY

What skills will I need?

- Planning
- Creative
- Keen interest in CAD and sketching/drawing
- Communication

What exactly does an Architect do?

A career in architecture is never static. It is constantly evolving as architects create new concepts and shape how construction is executed.

Architectural technologists lead the technological development of a project, forming the link between concept, innovation, and realisation. They play a pivotal role in project and design management, provide architectural design services, negotiate construction projects, and manage the development of projects from conception to completion.

Professional membership

After gaining your HNC/D in architectural technology, you'll be entitled to register as an Associate member of the Chartered Institute of Architectural Technologists (CIAT) where the pathway exists for you to pursue Technician status (TCIAT) or Chartered status (MCIAT) with the Institute.



How to get there

HNC: Architectural Technology SCQF Level 7

This part-time course provides a valuable insight into the diverse technical aspects of the profession such as CAD, Construction Technology and Design of Building Structures that are fundamental to the architectural profession. You will achieve all the units necessary for HNC: Architectural Technology SCQF Level 7. For those wishing to undertake a full-time mode of study, please see the HND: Architectural Technology SCQF Level 8 where further course guidance will be given.

Course facts

Location: Glenrothes
Duration: 2 years part-time
Entry Requirements:
1 Higher

For full course information and entry requirements, head to our website.

HND: Architectural Technology SCQF Level 8

HND: Architectural Technology allows you to develop expertise in the technological aspects of design. You will have the opportunity to become proficient in the use of computer aided design using programmes such as REVIT and AutoCAD, develop an understanding of building information modelling (BIM) processes, as well as building on your core knowledge of Scottish architecture, building science, structures, and materials.

Course facts

Location: Glenrothes
Duration: 2 years full-time
Entry Requirements:
1 Higher (for year 1)

For full course information and entry requirements, head to our website.

Progression to degrees

Thinking about a degree? We offer progression routes from our HNC and HND courses to years 2 and 3 of BSc (Hons) Architectural Technology at Robert Gordon University.

For more information and to apply, visit www.fife.ac.uk/built



ARCHITECTURAL TECHNOLOGY

CIVIL ENGINEERING

What skills will I need?

- Logical mind
- Creative
- Problem solving
- Love of maths and science
- Think outside the box

What exactly does a Civil Engineer do?

Civil engineers deal with conceiving, designing, building, supervising, operating, constructing, and maintaining physical and naturally built environment infrastructure projects and systems in both the public and private sectors. This includes everything from roads, buildings, and airports to tunnels, dams, bridges, and systems for water supply and sewage treatment.

Professional membership

While studying as a civil engineer you can apply to become a member of the Institution of Civil Engineers (ICE).

Studying civil engineering with us will see you registered as a member of ICE.



How to get there

Foundation Apprenticeship: Civil Engineering
SCQF Level 6

Study while still at school

This course is made up of National Certificate: Civil Engineering, selected SVQ units, and an Industry Challenge Project work placement. Together, these aspects ensure that you will gain knowledge, skills, and competences, as well as the relevant theories and reasons behind the work-based actions which complement the vocational elements of the course.

HNC: Civil Engineering
SCQF Level 7

Our HNC is designed to equip you with the knowledge, understanding, and skills needed to allow you to gain employment in the construction, construction engineering, structural, and civil engineering fields, or to progress to a degree or professional body qualification.

Course facts

Location: Glenrothes
Duration: 2 years part-time (while still at school)
Entry Requirements: 1 National 5

For full course information and entry requirements, head to our website.

Course facts

Location: Glenrothes
Duration: 1 year full-time or 2 years part-time
Entry Requirements: 1 Higher

For full course information and entry requirements, head to our website.

Progression to degrees

Not only will our HNC course set you up for your career, we also offer progression to year 2 of degrees at Abertay University.

For more information and to apply, visit www.fife.ac.uk/built



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Continuous professional learning

Learning doesn't stop once you've got a job – that's only the beginning!

Our commercial options allow you to develop further while in employment – allowing for career progression and promotion.

COMING SOON
IN 2019

BIM Project
Certification Training

Advanced Revit Course

This course is suited for those used to using Revit on an intensive basis, and will explore advanced functions within Revit Architecture from using analytical and detail tools to Robot Interoperability.

Autodesk Revit Architecture Certified User Course

This course begins by introducing Revit as a tool for utilising with Building Information Modelling (BIM) before exploring commands that will enable you to create parametric building design and documentation. You will be able to create and fully engage with a model, exploring data input/manipulation, visualisation, and scheduling.

Autodesk Revit MEP Course

This leading Building Information Modelling (BIM) tool used by building services engineers and technicians for designing and modelling mechanical, electrical and plumbing (MEP) systems-based design and design team collaboration and data sharing. The 3D models are used to streamline the design and analysis process and improve collaboration among project teams.

Autodesk Revit Structure Course

This course provides a structural flavour of the leading Building Information Modelling (BIM) tool used by engineers and technicians for model based design and design team collaboration and data sharing. The 3D models are used to streamline the design and analysis process and improve collaboration among project teams.

BIM Virtual Project Course

This course allows delegates from different backgrounds and skill levels to experience Building Information Modelling (BIM) tools and processes in a supervised collaborative work role environment based upon a realistic virtual project. The course's subject is based on one of our template projects.

Executive Guide to BIM

This course is aimed at providing managers and principles with a high-level explanation, in laymen's terms, of the terminology and principles of Building Information Modelling (BIM) and how it may affect them and their businesses.



For more information,
visit business.fife.ac.uk

ON THE JOB TRAINING

Scotland's construction industry is set for growth in most sectors over the next five years, according to the latest forecast from the Construction Industry Training Board (CITB).

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Contact us

Our team are on hand to answer any questions you may have.

Call 0344 248 0115, email info@fife.ac.uk or visit www.fife.ac.uk/built



The information published in this guide was correct at the time of print.
For the most up-to-date information, you should always check our website.

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