

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Advanced Woodwork(Level 5) (Units only)	Level 5	Nethermains Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire
<b>Who is the Course for?</b>					
This course is suitable for you if you want to further develop your woodwork skills. You will need to be over the age of 16 when you enrol on this course due to the machine work involved.					
<b>What is the Course About?</b>					
<p>This course will give you the opportunity to construct furniture items.</p> <p>You will develop:</p> <ul style="list-style-type: none"> <li>• An understanding of the relevant health and safety considerations.</li> <li>• Critical thinking capacity and reflective evaluation skills within a woodworking environment.</li> <li>• Your employability skills for woodworking and furniture manufacture.</li> </ul> <p>You will also develop your communication skills, team working and critical thinking skills in the context of woodworking.</p> <p>Units include - Wood Machining; Workshop Practice; Making a chair and Making a small box or cabinet.</p> <p>The course will provide you with skills and knowledge of the woodworking industry so that you can consider this area for employment or future study.</p>					
<b>What do I Need?</b>					
You need to have completed National 5 Practical Woodwork with a grade of B or above and show that you want to learn new skills, have a real interest in the area and are committed to consistent and full attendance throughout the course. You need a positive attitude with a desire to succeed.					
<b>How will I be assessed?</b>					
Assessment of this course is through a series of theoretical and practical assessments or tasks. Some assessments will be carried out under supervised open-book conditions, others under supervised closed-book conditions.					
<b>Next Steps?</b>					
<p>This course may provide progression opportunities to:</p> <ul style="list-style-type: none"> <li>• Employment in woodworking sector/ carpentry and joinery</li> <li>• A relevant fulltime college course</li> <li>• Apprenticeship or trainee position as a cabinet maker.</li> </ul>					

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Foundation Apprenticeship in Civil Engineering (level 6) - 2 years	Level 6	Ayr Campus	Tuesday and Thursday	2:00 – 5:00	East Ayrshire North Ayrshire South Ayrshire

**Who is the Course for?**

Can you see yourself creating, planning and overseeing the construction of buildings and infrastructure; from roads, bridges and canals to some of the tallest buildings in the world?

Do you enjoy problem solving and finding out how things work?

Why not think about a course in Civil Engineering? There is a constant need for Civil Engineers in Scotland and internationally.

**What is the Course About?**

You can choose a Foundation Apprenticeship as one of your subject choices while still at school. The course takes two years to complete, starting in S5 and finishing end of S6. Transport to and from college/employer will be organised and paid for if you live outside South Ayrshire.

A Foundation Apprenticeship (Group Award) in Civil Engineering includes:

- A National Certificate in Civil Engineering (at SCQF Level 6)
- At least one unit from the SVQ3 in Civil Engineering (at SCQF Level 6)

**Arrangements for work placements will be organised in accordance with COVID government guidance.**

**What do I Need?**

You should have or be working towards National 5 qualifications in Mathematics during S5. Your guidance teacher should think you are capable of working at SCQF Level 6, the same level as a Higher qualification.

**How will I be assessed?**

Assessment is on an ongoing basis and will include practical sessions as well as a civil engineering project, using the new skills you've learned throughout the course.

**Next Steps?**

If you achieve the Foundation Apprenticeship, you will have a solid basis for progression to a Modern Apprenticeship or a Higher National Certificate in a range of construction or civil engineering careers specialisms like:

- Construction Management
- Architectural technology
- Quantity Surveying
- Building Surveying

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
HNC Architectural Technology and Sustainability (infill)- Level 7	Level 7	Ayr Campus	Monday and Wednesday	9:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire

#### Who is the course for?

This course is highly contemporary and will give you the skills and knowledge you need to work successfully in an architectural technician's role.

#### What is the Course About?

Here's just some of what you'll be doing:

You'll develop skills in architectural design sketching and drawing. You'll produce sketches of old and new buildings, and learn about scale, proportion, form, function, and mass – all vital skills for architecture.

You'll focus on the BIM process, using advanced CAD and ICT collaboration cloud-based platforms, and discovering how digital technologies are integrated with the project lifecycle.

- You'll learn how architectural design companies operate, including the architect's duties and procedures to control construction costs.
- You'll look at substructure, from site investigations through to ground improvements and building foundations.
- You'll focus on construction technology, exploring techniques to build to specification for domestic and commercial construction, including walls, floors and roofs.
- You'll learn about structural design and behavior, as well as the statutory and legislative constraints to the design of buildings and the built environment.
- You'll look at common building services in commercial, industrial and high-rise buildings. This includes installation techniques for hot and cold-water supply, electricity, HVAC, fire prevention and lift installations.
- You'll carry out practical tasks, such as testing materials and conducting a levelling survey between two known benchmarks.

You may also have the chance to:

- Go on a work placement, via our links with industry employers such as LMA Architects or Denham Benn.
- Go on site visits, such as the Construction Scotland Innovation Centre.

#### What do I Need?

For entry to this course, you'll need: A minimum of one relevant Higher, ideally English, Math or a Science subject OR a relevant NC course at SCQF Level 6, or Foundation Apprenticeship in Civil Engineering, or equivalent

If you don't have any formal qualifications, but have appropriate experience or other training, we'll also consider you for a place, so please call us for a chat.

#### How will I be assessed?

Assessment is on an ongoing basis and will include practical sessions as well as theory, using the new skills you've learned throughout the course.

#### Next Steps?

When you successfully complete this course, you'll have the choice of:

- Moving onto an HND in Architectural Technology.
- Moving onto a BSc in Architectural Technology at Napier University, BSc in Construction Management, Quantity Surveying or Building Surveying at Glasgow Caledonian University (all direct entry to year 2). Please note a Grade B in Graded Unit is required for this
- Seeking to start your career in employment as an Architectural Technician.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
HNC Construction Management and Sustainability(infill) – (Level 7)	Level 7	Ayr Campus	Monday and Wednesday	9:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire
<b>Who is the Course for?</b>					
If you'd like to work in a supervisory or management role within the construction industry, this course can help you on your way. Construction Managers (or Site Managers/Agents) are responsible for the safe completion of construction projects, on time and within budget.					
<b>What is the Course About?</b>					
This course will give you the skills and knowledge you'll need to work successfully in a management role in the construction industry. It's mainly theory based, with a small amount of practical work.					
Here's just some of what you'll be doing:					
<ul style="list-style-type: none"> <li>• You'll look at substructure, from site investigations through to ground improvements and building foundations</li> <li>• Construction technology and the techniques to build to specification</li> <li>• Construction planning</li> <li>• Health and Safety.</li> <li>• Administrative processes, contracts and tendering procedures</li> <li>• CAD (Computer Aided Draughting)</li> <li>• Building services</li> <li>• Practical tasks such as: testing materials and conducting a levelling survey between two known benchmarks</li> </ul>					
Pupils will be registered with the Chartered Institute of Building (CIOB) as student members. Student membership gives instant access to a wealth of resources that will support transition to university and a career in a Construction profession.					
<b>What do I Need?</b>					
A minimum of one relevant Higher, ideally English, Maths or a Science subject					
<b>How will I be assessed?</b>					
Assessment is on an ongoing basis and will include practical sessions as well as theory, using the new skills you've learned throughout the course.					
<b>Next Steps?</b>					
You may progress to:					
<ul style="list-style-type: none"> <li>• HND in Construction Management, Quantity Surveying or Building Surveying</li> <li>• A degree course at university, possibly via our articulation arrangements, such as BSc in Construction Management, Quantity Surveying or Building Surveying at Glasgow Caledonian University (direct entry to year 2). Please note a Grade B in projects is required for this.</li> <li>• Seeking to start your career in construction in a role such as Trainee or Assistant Site Agent.</li> </ul>					

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Introduction to Construction Industry (level 4) - units only	Level 4	Ayr Campus	Tuesday and Thursday	2:00 – 4:00	South Ayrshire

#### Who is the Course for?

This course is suitable for all young people interested in a career within the construction industry. This entrance level course will enable you to develop good basic hand skills whilst gaining an insight into what our industry has to offer. Taking this course could be the start of a career which may allow you to become a Modern Apprentice which is a paid job with the pay increasing whilst you train.

Students joining this course will attend college two afternoons each week for one year. During the course, opportunities and information will be provided by the lead industry bodies advising you on how to become an employed Modern Apprentice. If you can give a commitment to attend and give your best this course is achievable and will support progression to multiple opportunities within industry or college. Have a look at these websites:

<http://www.citb.co.uk/citb-apprenticeships/>  
<http://www.becomeaplumber.com/>

#### What is the Course About?

The course gives you the opportunity to gain skills in a variety of trades-specific areas such as Bricklaying, Carpentry & Joinery, Painting & Decorating and Plumbing. In addition, you will develop awareness of health and safety and attitudes that enhance employability within the construction industry, or other sectors. This course consists of a mixture of SQA Construction Units at SCQF Level 4 in:

- Bricklaying
- Painting & Decorating
- Plumbing
- Carpentry & Joinery

Please note that these units may be subject to change.

#### What do I Need?

There are no formal entrance requirements.

#### How will I be assessed?

Whilst in the workshop you will build practical models which are assessed. Lecturers will always provide guidance and support.

#### Next Steps?

There are a variety of possible progression routes at the end of this course:

- A full time Construction course at SCQF Level 4 or 5
- Modern Apprenticeship

#### What do current students say?

*"I enjoyed this course as its mainly 'hands-on' practical work that we do, I have enjoyed learning about all the different trades but I particularly liked the Painting & Decorating and basic Plumbing skills, I have really enjoyed it".*

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Skills for Work Construction Crafts (level 5) - units only)	Level 5	Ayr Campus	Monday and Wednesday	2:00 – 4:00	South Ayrshire

**Who is the Course for?**

This course is suitable for young people interested in a career within the Construction Industry. It is suitable for candidates that have achieved Construction Crafts Level 4 or have other relevant experience and qualifications. This course will enable you to develop good hand skills whilst gaining an insight into what our industry has to offer.

Engaging with this course could be the start of a career which may allow you to become a Modern Apprentice which is a paid job with the pay increasing whilst you train.

Students joining this course will attend College two afternoons each week for one year.

During the course opportunities and information will be provided by the lead industry bodies advising you on how to become an employed Modern Apprentice.

If you can give a commitment to attend and give your best this course is achievable and will support progression to multiple opportunities within the industry or at college.

- <http://www.citb.co.uk/citb-apprenticeships/>
- <http://www.sectt.org.uk/apprenticeships.html>
- <http://www.becomeaplumber.com/>

**What is the Course About?**

You will develop good hand skills and learn trades-specific units – Joinery, Brickwork and Painting & Decorating. In addition, you will complete an Employability Skills unit which is designed to develop skills and attitudes that enhance employability, not just in the construction industry, but in employment generally.

**What do I Need?**

Skills for Work Construction Crafts Level 4 or other relevant experience.

**How will I be assessed?**

Each trade specific unit runs for approximately 10 weeks. Assessments are practically based and aim to further develop your skills.

**Next Steps?**

You have a choice of possible progression routes at the end of this course, for example a full-time pre apprenticeship course at College.

**What do current students say?**

*“A really good course which challenged me, having experienced three trades I was able to pick my strongest and the one I most enjoyed, this informed my choice before applying to college for an NPA in Painting and Decorating. The college has great workshops in addition I used industry standard tools and equipment. I felt really prepared for the next step in my career”.*

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
SFW Energy ( Level 5)	5	Ayr	Mondays and Wednesdays	2:00 – 4:00	South Ayrshire East Ayrshire North Ayrshire

#### Who is the Course for?

This qualification is suitable for pupils from mainstream schools or other education establishments who wish to learn more about renewable energy and progress into a related trade area or a career in the energy sector. The primary target group for this course is senior phase pupils.

For example: If you want to become a Plumber, Electrician, building services engineer, work on wind turbines or hydro electricity schemes, then this course will help you get a foot on the ladder of this career route. Maybe you want to go on to study sustainability or renewable energy at HNC or at university; this is the ideal place to get a start on your learning journey.

Energy has an impact on every aspect of modern living. You can enjoy exciting career opportunities in lots of different sectors, including construction and maintenance of buildings and transport and infrastructure. Right now, there are many opportunities for employment in these industries in a fast changing world as we move to net zero. With the right people in high demand the Skills For Work Energy at Ayrshire College is an ideal course choice from which to build your cv.

#### What is the Course About?

You will explore the various UK-based energy industries and develop practical skills by building a small-scale solar hot water system and wind turbine. You will also develop your employability skills and review your strengths and weaknesses, which are then used to help suggest the most appropriate career for you within the energy sector.

The course will-

- Provide you with a broad introduction to the energy sector.
- Develop an awareness of the role of conventional and renewable energy systems in the UK.
- Develop skills relevant to the energy sector that are directly related to employment e.g.solar hot water and wind turbines.
- Encourage you to evaluate the impact of energy generation on the environment.
- Encourage you to foster a good work ethic, including timekeeping, a positive attitude and other relevant employability skills.
- Encourage you to take charge of your own learning and development.
- Facilitate progression to further education and/or training.
- Develop an awareness of what opportunities there may be within the sector in terms of the types and range of career options.
- Encourage you to consider a career in the energy sector.
- Provide opportunities for the personal development of skills and attitudes that will improve your employment potential within the energy sector.

At SCQF level 5, you will work alone or with others on straightforward tasks with support.

You will also get to visit to an energy generation facility as part of your learning experience. (Subject to COVID travel restrictions.)

This might be to a HYDRO scheme or windfarm where you will get a feel for the environment, equipment, and staff working with energy generation systems.

**What do I Need?**

A positive attitude  
 A willingness to learn  
 An interest in gaining a recognised qualification to pursue a career in the energy sector.

**How will I be assessed?**

The course comprises the following units-

- J12W 75 Energy: An Introduction 6 SCQF credit points
- J12Y 75 Energy: Domestic Wind Turbine Systems 6 SCQF credit points
- J130 75 Energy: Domestic Solar Hot Water Systems 6 SCQF credit points
- J12X 75 Energy: Employability and Careers 3 SCQF credit points
- J131 75 Energy and the Individual 3 SCQF credit points

To achieve the course award, the learner must successfully achieve all the units.

You will be assessed through a variety of means: individual practical exercises, teamwork, practical exercises and presentations.

**Next Steps?**

This course, or its units, may provide progression to -

- A National Progression Award
- A National Certificate programme in Further Education
- Further Training or Employment

Specific courses at Ayrshire College may be -

- Pre-Apprenticeship Plumbing at SCQF Level 4
- Introduction to Renewables with Future Technologies at SCQF Level 5
- NQ in Sustainable Construction at SCQF Level 6