



# Building Services and Renewables

Prospectus | Career Guide



**We're here to help you  
get to where you want to be.  
We'll inspire you, increase your  
opportunities and raise  
your ambitions so you're ready  
to take the next step.  
Start here, go anywhere**

**together**

**we are Ayrshire College**



# Accessibility

Ayrshire College is fully committed to challenging discrimination, advancing equality of opportunity, promoting inclusion and celebrating the diversity of all of its students, staff, visitors and partners.

To request a copy of this information in another format please contact us:

Tel. 0300 303 0303

Email. [marketing@ayrshire.ac.uk](mailto:marketing@ayrshire.ac.uk)



[www.ayrshire.ac.uk](http://www.ayrshire.ac.uk)

Ayrshire College is a registered Scottish charity. Reg No SC021177

## #weareAyrshireCollege



# Why choose College?

Help with first steps towards your career

Change your career

Access further study at University

Start an apprenticeship

Help to start your own business

Study locally

Excellent facilities

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“ Sometimes the smallest step in the right direction ends up being the biggest step of your life. ”

# Build your future at Ayrshire College.

Our campuses offer modern facilities with exciting learning spaces, to help you learn in a way that suits you. There are social spaces on each campus, including refectories and coffee shops, where you can relax and catch up with friends.



**Modern Learning  
Resource Centres**

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**Coffee Shops  
and Refectories**

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**Training  
Restaurants**

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**Training Hair and  
Beauty Salons**

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**Motor Vehicle  
Garage**

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**Gym and  
Multi-Sport Pitches**

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**Horticulture  
Centre**

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**Aeronautical and  
Engineering Centre**

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**Science Labs**

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**Construction and  
Trades Centre**

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**Training Hospital  
Ward**

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**Training Nursery**

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**Recording  
Studio**

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**Photography and  
Broadcasting Studio**

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## **Build a bright future for yourself!**

Building services engineers are responsible for designing, installing and maintaining the services inside a building that are needed to allow it to function efficiently.

Find where you fit in.

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**Building Services is an umbrella term that covers careers in heating, ventilation, air conditioning, refrigeration, plumbing and electrical.**

Scotland has a great reputation worldwide for engineering, and is especially at the cutting-edge of developments within the Renewables sector. Opportunities exist throughout Scotland and further afield. We have ex-students working in Ireland, Sweden and Norway, with some of them progressing into commissioning engineer roles.

We've opened a new Renewable & Energy Efficiency Training Centre at our Ayr Campus and across all courses you'll be using the latest industry-standard technology.

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# Why choose Building Services & Renewables?

**Make a difference.** You will be playing a pivotal role in ensuring our planet becomes greener. The role involves designing and implementing systems for buildings which will have minimal environmental impact.

**Work with the latest technology.** We always update our tools and equipment to meet industry-standards, whether that's the latest software for computer-aided design or the latest tools a plumber needs.

**The industry is growing.** Renewables is experiencing rapid growth as the entire energy sector undergoes a major shake-up. Skilled workers are required to work across the many fresh and exciting opportunities that are being created.





# Careers

- Air Conditioning Engineer
- Installation Electrician
- Facilities Manager
- Refrigeration Engineer
- Domestic Heating Engineer
- Domestic Plumber
- Industrial and Commercial Plumber
- Service and Maintenance Engineer
- Heating and Ventilating Engineer
- Turbine Technician
- Telecoms Engineer
- Power Engineer
- Electrical Designer
- Commissioning Engineer
- Wind Farm Control Room Operator



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You'll be learning using the latest industry standard equipment and technology. We have STEM Assured Status which means we've been recognised for the quality of our delivery in these courses. There can be fantastic career progression in this area for those with the right attitude and skills.



“ The renewables industry offers great opportunities for enthusiastic, keen engineers to work on utility scale energy projects. Onshore wind projects involve a wide variety of work, providing support for the entire life-cycle of projects including scoping, planning, financing, construction, operation, right through to decommissioning. Due to the expansion of clean energy requirements globally, I believe that the renewables industry will provide job security for the current generation of students and I would definitely recommend this industry to the students at Ayrshire College. ”

Alan Duckworth,  
Senior Technical Manager  
Community Windpower Limited

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# What are employers looking for?

**There is high demand for skills in this area – here we look at what employers are crying out for right now.**

## **Problem solving**

You'll be coming up with solutions that work for a building, and the environment.

## **Teamwork**

With most projects, you'll be working as part of a team. It's important to be able to work well with others and value their input, as they will with you.

## **Adaptable**

You'll need to be able to adapt to new ideas and different ways of thinking – there's rarely a one-size-fits-all approach.

## **Communication skills**

Being able to talk through a problem and your solution is a key skill.

## **Hand Skills**

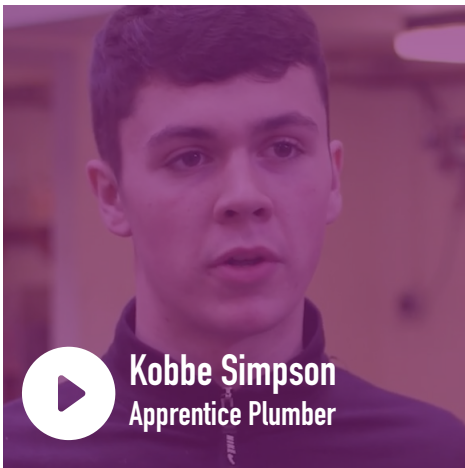
We'll give you hands-on experience with cutting edge equipment used within the industry, which will prepare you perfectly for the transition from college to work.

## **Safety conscious**

You could be working with electricity, or water, which can be dangerous if you're not clued up on all aspects of health and safety.

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Coming to Ayrshire College **can change your life.**  
Don't just take our word for it, click on the links below  
to watch our student vlogs ...



join us on social: [f](#) [t](#) [i](#) [v](#) [i](#) [y](#) [b](#)



# Enterprising Students

## Could you be one of our **Enterprising Students?**



The Ayrshire College Foundation provides funding of grants up to £5,000 for students of Ayrshire College who are interested in developing ideas to start up their own business.

To help us inspire more students to be enterprising, we are working in partnership with Bridge 2 Business to support idea development.

You could join the many students we have supported so far, including former engineering student Greig Allan.

Visit our Entrepreneurs Blog to learn more.

[Click here to visit our blog](#)



**“ The knowledge and skills I’m learning on my engineering course help me understand how things work and how to solve problems. This will help me in the manufacturing side of our business. ”**

Former engineering student, Greig Allan

# Start here...

Ayrshire College, supported by the Energy Skills Partnership, is in the ideal position to offer you practical training on state-of-the-art equipment used within the industry. This gives successful candidates a great advantage when seeking employment within the renewables industry.

You'll be placed onto the most appropriate course depending on your experience, interests and qualifications.

Still unsure? Contact our Student Services team and speak to one of our advisors who will be happy to help you. You can book an appointment to see the Advisor for your curriculum area either in person, over the phone or by email:

[studentservices@ayrshire.ac.uk](mailto:studentservices@ayrshire.ac.uk)

Tel no. 01294 555 333



## Courses available in:

- Building Services
- Electrical Engineering
- Plumbing
- Wind Turbine Technician

Click here  
to see all  
courses



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# Go anywhere...

Successful completion of Building Services courses will give you multiple opportunities for progression within the plumbing, electrical and construction sectors. Some of our students choose to go down the apprenticeship route.

There are also progression routes into employment in specialist areas of building services such as refrigeration, fire risk engineering, heating and ventilation or as a services surveyor or designer. You could also progress into project management.

Our Wind Turbine Technician course is primarily aimed at getting successful candidates into employment within the renewables sector, however many students have gone on to study HNC Electrical Engineering here. We have links with Glasgow Caledonian University that allow successful candidates to progress to degree level.

Please check with each university for their articulation requirements prior to your UCAS application. Entry is subject to availability of places and meeting entry requirements, other options may also be available.

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# Go for it!

You're just two steps away from starting your career in Building Services and Renewables...

## Step 1...

**Click here** to see our full list of courses at [www.ayrshire.ac.uk](http://www.ayrshire.ac.uk)

## Step 2...



**Apply online now** or download our Application Guide **here**

Full-time courses start in January and August. Apply as soon as you can because our courses fill up quickly!



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