



# Science

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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**Science has never been more crucial!**

If the past two years have proven nothing else, it's the importance of science. Scientists are constantly striving to discover ground-breaking solutions that have the potential to change lives.

Excited? Be a part of it. Start here.

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We have science laboratories situated in all three of our main campuses, where we combine the traditional scientific areas of Biology, Chemistry and Physics to create courses that are focused on two of these strands and how they relate to each other. We're proud to be an educational partner of Glasgow Science Centre.

Science has applications in all areas of life. Did you know our science courses are a popular route for future nursing or midwifery studies?

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# Why choose Science?

Science is about taking the world around you apart and working out how the bits interact.

Making mistakes in science is often the best way forward, “Why did that happen?” is the most common question. Answering it is the challenge all scientists seek, sometimes leading to world-changing discoveries.

If you want to work in areas where people’s lives are directly affected by the actions you take and the results you find, a career in science is the way forward.

**“ Science changes and improves every day and I am proud to be a part of that. ”**





# Careers

- Biomedical Scientist
- Research Scientist
- Microbiologist
- Chemist
- Physicist
- Dietician
- Molecular Biologist
- Food Technologist
- Marine Biologist
- Nurse
- Paramedic
- Astronomer
- Archaeologist
- Zoologist
- Teacher/Lecturer



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Do you often find yourself questioning things? "Why are things the way they are?" "What happens if I do this?" "Why did that happen?" If so, good news – a scientific career awaits!



**“The big thing for me about studying science is the amount of career paths it opens.”**

Lauren McAlpine

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# What are employers looking for?

**Possible career options in science are varied and growing all the time. With that said, here are some of the skills that are sought by employers right across industry.**

## Curiosity

Scientists are inquisitive by nature. You'll be curious about most things in the world, and open-minded to new theories and arguments.

## Presentation skills

If you're recording and analysing data, you'll need to be able to present this in an accessible manner.

## Communication skills

Being an effective communicator is important for a career in science. Making sure everyone is on the same page regarding the why, when, and how of your work makes good results more likely.

## Detailed

You could be working with complex data that needs analysed and interpreted. Attention to detail is crucial so that you don't miss anything that could prove important.

## Teamwork

Are you a team player willing to play your part in a project? Scientists generally work in teams to discuss ideas and come up with solutions.

## Resilience

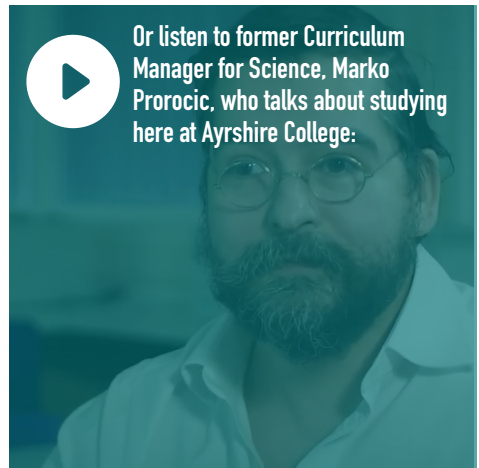
Everything you work on isn't necessarily going to work out as you intended on the first try. Or the second try. Or the third. Being resilient and open to alternative outcomes is an important part of science.

## Safety conscious

You could find yourself working with some fairly hazardous substances. Risk assessments, PPE and being aware of how to keep yourself, others and the environment safe is crucial.

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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](#) [l](#) [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...

We're looking for people who have a real interest in science, but we run courses designed for people with no previous scientific experience. If your skills are a bit rusty, these courses can refresh and reinvigorate your curious nature.

With experience, you can start studying more advanced concepts straight away. You'll cover a wide range of subjects, as well as developing your practical skills in the lab. Our courses prepare you for progression onto a degree course at university.



## Courses available in:

- Applied Sciences
- Biosciences
- Life Sciences
- Access to STEM

[Click here to see all courses](#)



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# Go anywhere...

There's a huge range of degree courses you can progress onto once you complete either the HNC, HND or SWAP courses. Students have gone onto study the following areas at university:

**Anatomy, Archaeology, Biomedical Sciences, Forensic Investigation, Green Technologies, Medical Imaging and Radiography, Microbiology, Paramedic Science, Physics, Secondary Teaching and Zoology.**

Our HNC Applied Science course with the University of Glasgow guarantees successful students direct entry into Year 2 of various degrees within the School of Life Sciences at the University of Glasgow.

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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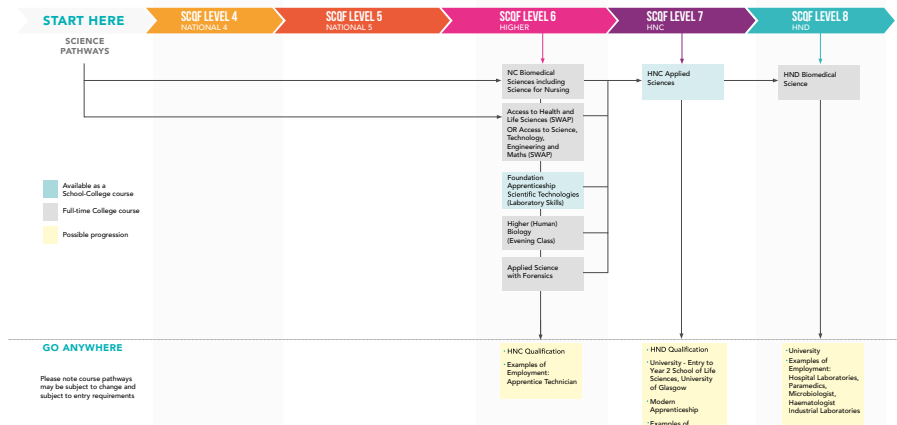


# What path will you take?

Our course pathway maps will help you understand the various routes you can take to help you achieve the qualifications you need.

## Course pathway map for Science

Zoom in  
to view



## 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



# Go for it!

You're just two steps away from starting your career in Science...

## 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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