

Queen Margaret Academy

2025-2026

School College Course booklet

To apply for a school college course please use this QR code



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South Ayrshire Schools - School College Courses Summary 2025/2026 **DELIVERY DELIVERY LOCATION** COURSE TITLE BY CURRICULUM AREA DAYS TIMES **AEROSPACE** Foundation Apprenticeship: Engineering Tues / (Aeronautical) (Year 1 and Year 2) (Level 6) Thurs 2:00 - 5:00 Ayr SVQ 2 Performing Engineering Operations Thurs / Fri (Infil) (Level 5) 9:00 - 4:00 Ayr SVQ 2 Performing Engineering Operations Tues / (South Ayrshire) (Level 5) Thurs 2:00 - 5:00 Ayr AUTOMOTIVE 13:50 -SfW Automotive (Level 4) 15:30 QMA Mon / Wed **BUSINESS & COMPUTING** Tues / HNC Cyber Security (Infil) (Level 7) **Kilwinning** Thurs 9:00 - 4:00 Tues / Thurs NPA Software Development (Level 4) Kilmarnock 2:00 - 4:00 Tues / Kilmarnock Thurs 2:00 - 4:00 NPA Software Development (Level 6) **CONSTRUCTION, TECHNOLOGY & TRADES** Construction Crafts (Units only) (Level 5) Ayr Mon / Wed 2:00 - 4:00 HNC Architectural Technology and Sustainability (Infill) (Level 7) Ayr Mon / Wed 9:00 - 4:00 SfW Introduction to Renewable Energy Tues / Thurs (Level 5) 2:00 - 4:00 Ayr Steps to Work - Introduction to the Tues / Construction Industry (Level 4) Ayr Thurs 2:00 - 4:00 **CREATIVE INDUSTRIES** Tues / Thurs NPA Acting and Performance (Level 6) Ayr 2:00 - 4:00 NPA Digital Media plus Film Making (Level Tues / Thurs 5) 2:00 - 4:00 Ayr NPA Production Arts (Including Technical Tues / Theatre) (Level 6) Thurs 2:00 - 4:00 Ayr Tues / Thurs NPA Sound Production (Level 6) Ayr 2:00 - 4:00 Tues / Ayr Portfolio Work (Life Drawing & Printmaking) Thurs 2:00 - 4:00 (Level 6) **EARLY LEARNING & CHILDCARE**

NPA Social Services: Children & Young People (Level 6)		Tues /	
T copic (Level o)	Ayr	Thurs	2:00 - 4:00
ENGINEERING & SCIENCE	7 (9)	maio	2.00 1.00
Foundation Apprenticeship: Engineering		Tues /	
(Electrical) - Year 1 and Year 2 (Level 6)	Kilwinning	Thurs	2:00 - 5:00
		Tues /	
HNC Applied Science (Infil) (Level 7)	Kilmarnock	Thurs	9:00 - 4:00
HNC Applied Science (Infil) (Level 7)	Kilwinning	Mon / Wed	9:00 - 4:00
		Wed /	
HNC Electrical (Infil) (Level 7)	Kilwinning	Thurs	9:00 - 4:00
		Wed /	
HNC Mechatronics (Infill) (Level 7)	Kilwinning	Thurs	9:00 - 4:00
HAIR & BEAUTY			
Steps to Work Hair & Beauty (Level 4)	Ayr	Mon / Wed	2:00 - 4:00
HEALTH & SOCIAL CARE	_		
NC Oral Healthcare (Infil) (Level 6)	Kilwinning	Mon / Wed	9:00 - 4:00
HOSPITALITY			
HNC Hospitality and Operations (infill) (Level			
7)	Ayr	Mon / Wed	9:00 - 4:00
NPA Hospitality (Level 5)	Ayr	Mon / Wed	2:00 - 4:00
NPA Professional Cookery (Level 4)	Ayr	Mon / Wed	2:00 - 4:00
SOCIAL SCIENCE			
		Tues /	
NPA Criminology (Level 6)	Ayr	Thurs	2:00 - 4:00
		Tues /	
NPA Psychology (Level 6)	Ayr	Thurs	2:00 - 4:00
SPORT			
HNC Sports Coaching and Development	_		
(Infil) (Level 7)	Ayr	Mon / Wed	9:00 - 4:00
HND Year 1 Applied Sport Science		Tues /	
(incorporating HNC Fitness) (Level 7)	Kilwinning	Thurs	9:00 - 4:00

^{*}transport will be provided to Ayr Campus only. Students attending Kilwinning or Kilmarnock are responsible for organising their own transport.

Course title	SCQF	Venue	Days of Delivery	Times	Local Authority
	level				area
Foundation Apprenticeship -	Level 6	Ayr	Year 1	2:00 -	South Ayrshire
Aeronautical Engineering (Level		Campus	Tuesday and	5:00	
6) 2 years			Thursday		
			Year 2		
			Tuesday and		
			Thursday		

The Foundation Apprenticeship (FA) in Engineering aims to give you the opportunity to develop the skills and knowledge to enter a career in Engineering and the Advanced Manufacturing sector and other Engineering related industries.

The programme is designed to provide you with theory, practice, and related work experience. The FA in Engineering is aimed at you if you are in S5 and will take 2 years to complete. It also contributes directly to the achievement of the Modern Apprenticeship in Engineering by attainment of the core units of the MA qualification.

What is the course about?

Year 1

In S5 you will attend College on a Tuesday and Thursday afternoon and are expected to complete a proportion of the units from the National Certificate (NC) in Aeronautical Engineering at SCQF level 6. Other activities in S5 will include introducing you to the employer context in which engineering roles exist and how engineering skills are utilised in the workplace; this will involve industrial visits to employers and talks from industry professionals (Covid restrictions permitting). There will also be a work placement and/or an industry challenge. The work-based competence units will be delivered and assessed in the workplace.

Year 2 -

In S6 you will attend college on a Tuesday and Thursday afternoon you will complete all the Performing Engineering Operations (PEO) units (SCQF Level 5) 5 units including 3 mandatory, and the remainder of any units for the National Certificate programme.

This course provides a basic requirement for a Modern Apprenticeship. You will learn vocational skills in Engineering. The units you will complete are -

Aeronautical Engineering Fundamentals

Aircraft Flight Controls

Aircraft Power Plant

Aircraft Systems

Avionics: An Introduction Engineering Materials

Engineering: Applying Information Technology

Strength of Materials
Theory of Flight

Communication
Mathematics: Technician 1

Aircraft Maintenance

Complying with Statutory Regulations and Organisational Safety Requirements

Producing CAD Models (Drawings) using a CAD System
Producing Components using Hand Fitting Techniques
Using and Interpreting Engineering Data and Documentation

Working Efficiently and Effectively in Engineering

What are the entry requirements?

3 National 5's including English, Mathematics and one Science (preferably physics), students must also be studying Higher Mathematics during Year 1. Only S5 students should apply.

How will I be Assessed?

Assessments are a mixture of practical, which focus on the attainment of new skills as and when you acquire them, and theoretical. Assessment is on an ongoing basis.

What should I expect?

Most of the course involves practical workshop activities as you develop various engineering techniques. There are some computer-based subjects and some theory classes to broaden your knowledge of electrical concepts. All the practical units involve a small amount of paperwork to record your success and provide evidence of your achievement.

Next Steps?

At the end of the 2 years, you will complete a combination of Performing Engineering Operations units and a National Certificate in Aeronautical Engineering. The course also incorporates a work placement. Achieving a Foundation Apprenticeship in Engineering; you could progress to a Higher National Certificate in Engineering, into employment or a Modern Apprenticeship.

Course title	SCQF	Venue	Days of	Times	Local Authority area
	level		Delivery		
SVQ -	Level 5	Ayr Campus	Thursday and	9:00 - 4:00	South Ayrshire
Performing			Friday		
Engineering					
Operations(infill) -					
(Level 5)					

This course is for anyone who has an interest in Engineering, enjoys practical hands-on work in a workshop environment, can problem solve and wishes to gain relevant practical experience within this industry to possibly gain an apprenticeship. You will populate and develop a portfolio which can be used to show employers during interviews. You need to be able to work safely and be responsible for yours and others Health & Safety.

What is the course about?

This course provides a basic requirement for a Modern Apprenticeship. Students will learn vocational skills in Engineering including:

- Complying with statutory regulations and organisational safety requirements
- Using and interpreting engineering data and documentation
- Working efficiently and effectively in engineering
- Producing components using hand fitting techniques
- Carrying out aircraft detail fitting activities
- Installing aircraft mechanical fasteners
- Producing aircraft detail assemblies
- Producing CAD models (drawings) using a CAD system

What are the entry requirements?

You should have four National 4 qualifications including Nat 4 Maths (or Nat 4 Application of Maths), English and ideally an engineering subject. If you want to take engineering further, you will need to be working towards a Nat 5 Maths (or Nat 5 Application of Maths maybe accepted for some disciplines). Nat 5 Physics is helpful too, especially for Electrical or Aeronautical careers. You will be required to complete an aptitude test at interview

How will I be assessed?

Assessments are practical and focus on the attainment of new skills as and when you acquire them. You will be required to complete a logbook.

What should I expect?

The course involves practical workshop activities used to develop various engineering techniques. There are some computer-based subjects too. Evidence is generated using an online portfolio.

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Next Steps?

Successful completion of this Course may provide you with opportunities to progress to a full time Engineering Course at College and there may also be opportunities for Modern Apprenticeships. If you want to study Engineering, the PEO is a great addition to your National Qualifications because it shows that you have practical experience.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
SVQ 2 - Performing Engineering Operations (Level 5)	Level 5	Ayr Campus	Tuesday and Thursday plus One period a week to be delivered by school staff	2:00 – 5:00	South Ayrshire

This course is for anyone who has an interest in Engineering, enjoys practical hands-on work in a workshop environment, can problem solve and wishes to gain relevant practical experience within this industry to possibly gain an apprenticeship. You will populate and develop an online portfolio which can be used to show employers during interviews. You need to be able to work safely and be very responsible about Health & Safety.

What is the course about?

This course provides a basic requirement for a Modern Apprenticeship. Students will learn vocational skills in Engineering including:

- Complying with statutory regulations and organisational safety requirements
- Using and interpreting engineering data and documentation
- Working efficiently and effectively in engineering
- Producing components using hand fitting techniques
- Carrying out aircraft detail fitting activities
- Installing aircraft mechanical fasteners
- Producing aircraft detail assemblies
- Producing CAD models (drawings) using a CAD system

UNITS ARE SUBJECT TO CHANGE

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Assessments are practical and focus on the attainment of new skills as and when you acquire them. You will be required to complete a logbook.

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The course involves practical workshop activities used to develop various engineering techniques. There are some computer-based subjects too. Evidence is generated using an online portfolio.

Next Steps?

Successful completion of this Course may provide you with opportunities to progress to a full time Engineering Course at College and there may also be opportunities for Modern Apprenticeships. If you want to study Engineering, the PEO is a great addition to your National Qualifications because it shows that you have practical experience.

Course title	SCQF level	Venue	Days of Delivery		Local Authority
					area
Skills for Work	Level 4	Queen Margaret	Monday and	2:00 – 3:40	South
Automotive		Academy	Wednesday		Ayrshire
(Level 4)		-			-

If you want to know about working in the automotive industry, the occupations within it and the skills and knowledge required, can problem solve and enjoy hands-on practical tasks, this course ticks the boxes for you. Assessment across the units in this Course will mostly test your practical skills but will also test the wider knowledge and understanding you need to work in automotive job roles including knowledge and understanding of tools and equipment and awareness of Health & Safety legislation.

What is the course about?

The Course provides a broad introduction to the automotive industry and will introduce you to basic vocational skills, knowledge and understanding. Practical experiences of carrying out basic vehicle checks are included as well as the specific skills involved in removal and replacement of components and mechanisms.

The overall purpose of the Course is to make sure that you develop practical skills, knowledge and understanding needed within this industry as well as developing the skills employers are looking for. For example, team working, following instructions and good customer service. The course may offer a route into a Modern Apprenticeship or continuing motor vehicle studies on a full-time basis. Course Units:

- Automotive Skills: The Garage
- Automotive Skills: The Technician
- Automotive Skills: The Car
- Automotive Skills: The Vehicle Modification Project

What are the entry requirements?

There are no formal entrance requirements.

How will I be assessed?

Assessment across the units in this Course will mostly test practical skills (which will involve some physical work) but will also address the wider knowledge and understanding associated with working in automotive job roles including knowledge and understanding of tools and equipment and awareness of health and safety legislation.

What should I expect?

To be able to undertake approximately 75% practical and 25% theory coursework. The practical element will involve working on the ground, working on, inside, around and under vehicles. You will learn about the various systems on the vehicle and tools which are utilised, you will be asked to recall the function of these components and tools. You will be expected to use tools and equipment to undertake practical tasks such as jacking and supporting vehicles on axle stands, removing/refitting road wheels, removing/refitting brake pads and utilising vehicle ramps. There will be some work on engines both on vehicles and on stands. You may find yourself getting dirty as there is an element of working on the ground and on some of the general vehicle systems.

Next Steps?

This Course fills an identified need in the automotive sector for an introductory course for school candidates and supports progression into appropriate further education or work-based learning. Successful completion of this Course may provide you with opportunities to progress to:

- Scottish Vocational Qualifications (SVQs) and Modern Apprenticeships in Automotive areas
- Full time National Certificate Courses
- Full time Institute of the Motor Industry courses at Ayrshire College
- Training/employment

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
HNC Cyber Security (infill)	Level 7	Kilwinning Campus	Tuesday and Thursday	9:00 – 4:00	East Ayrshire North Ayrshire
(level 7)					South Ayrshire

We live in a digital age where the demand for ICT and digital technology is growing at an incredible pace. With good computing and IT systems now central to every business, organisations are set to become even more driven by technology and data. In addition, modern organisations hold large amounts of data – about their customers and about themselves. But they face many threats to the security of this information, and they have many legal obligations to take care of it. This course will give you many perspectives about data breaches and how to protect against them.

In this dynamic and continually evolving sector, there is already a skills shortage, and it is predicted there could be as many as 11,000 job opportunities each year in Scotland alone; by investing in digital and IT skills now, you could find yourself highly sought after in the future!

If you are interested in a career in computing and IT systems or the cyber security industry, this course can help you on your way.

This course will give you the skills you need to design, implement, and support IT systems in a wide range of industries. It focuses on the key areas of software development, databases, and interface design, troubleshooting and cyber security.

What is the course about?

In present day Scotland, most businesses are small to medium sized enterprises many of whom lack the funds to employ several specialists, they could, however, employ an individual with good general computing skill; this award covers both the technical and professional skills required for working within the computing industry. A computing professional has to be aware of contemporary legislation, ethical considerations, codes of conduct and professional bodies which would provide opportunities for personal development and support in their career. This qualification covers these topics. The development of software has become a necessary part of many job functions within the industry and is no longer the remit solely of programmers. For example, technical support and networking, this HNC provides all candidates with the basic skills to design, implement and test simple programs and produce technical documentation.

Although hardware and software are continually changing, an understanding of the physical, software and logical elements of a computer is required along with the along with the basic skill of installing and configuring various types of software. This qualification provides this knowledge and experience as well as an appreciation of the interaction between hardware and software and the impact various elements may have on system performance.

What are the entry requirements?

For entry to this course, you'll need a real interest in Computing and Cyber Security

• A minimum of 1 Higher, preferably two at C Grade or above, which should include Computing and/or Maths

How will I be assessed?

Assessment will cover a variety of knowledge and practical skills as well as the more intellectual skills of planning and evaluating. These together with the Core Skills mean that many different methods are employed to ensure that you can do what you are supposed to do as well as know what you are supposed to know.

What should I expect?

You will study 12 credits for the HNC. - Some classes may be remote, but most are on campus. You should also allow for at least 1 day of self-study per week. Most of the subjects are practical, in part or entirely. You will study 12 credits from the following 15:

- J0HA 34 Computer Programming
- J0J8 34 Computer Architecture 1 Credit
- H17734 -Troubleshooting Computing Problems
- H178 34 -Team Working in Computing
- J0HJ 34- Computer Networking: Concepts, Practice and Introduction to Security
- J0HH 34 -Professionalism and Ethics in Cyber Security 1 Credit
- J0J7 34 -HNC Cyber Security: Graded Unit 1 (Mandatory Examination)
- J0H9 34- Data Security
- J0HL 34 Digital Forensics

- J0HK 34 Ethical Hacking
- FK8934 -Configuring a Desktop Operating System
- FR24 35 -Networking Technology
- J0HD 34- Scripting for Security

Examples of cyber security technologies taught are Kali Linux, Wireshark, Autopsy, Speccy and FTK Imager.

Next Steps?

You may progress to:

- HND Cyber Security
- Relevant degree course at university
- Modern or Graduate Apprenticeship
- Start your career with employment in the computing industry

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA Software	Level 4	Kilmarnock	Tuesday and	2:00 - 4:00	East Ayrshire
Development(level		Campus	Thursday		North Ayrshire
4)			-		South Ayrshire

This course will interest you if you enjoy working with computers, coding or enjoy solving problems. The NPA in Software Development is suitable for a wide range of candidates with basic computing ability who wish to develop the fundamental knowledge and skills required to solve problems by developing computer programs in a high-level language.

What is the course about?

The NPA in Software Development at SCQF Level 4 is intended to prepare you for progression to further study in a variety of computing disciplines.

During the award you will learn all about the basic programming concepts and how to write short programs using a software development language and environment. After the basics are covered you will develop further programming skills and eventually the knowledge and understanding required to devise a solution to a problem in software development. By the end of this course, you will have developed practical skills in software development using a high-level language.

These courses will give you the opportunity to develop:

- Understanding of the principles of software development, software development languages and environments
- Entry level skills using a high-level programming language
- Industry-standard software and principles
- Core Skills in problem solving in relation to software development.
- Analytical and other transferable skills.

The Course includes the following Units:

- Computing: Programming in a High-level Language: Fundamentals SCQF level 4
- Software Development SCQF level 5
- Problem Solving SCQF level 4

What are the entry requirements?

You need to have a basic level of IT skills e.g., Microsoft Word and understand the general operation/navigation of a Windows based PC. You must possess an interest in at least one of the following: computer science, art, programming, audio, or design. It would be good if you have played different games and consoles/platforms but not essential as we will discuss a variety of examples throughout. Some previous experience of coding using platforms like Scratch and AppInventor would be good though not essential.

How will I be assessed?

You will be expected to create a portfolio of your work. The portfolio may be paper or electronic (digital) and should be completed over the period of the course, with you contributing material to the portfolio on an ongoing basis. This will be a mix of practical and knowledge-based assessments.

What should I expect?

You will study 3 subjects, which are mainly practical, with some theory and written assessments.

- Programming in a High-Level Language using Python
- Software Development extends your knowledge of programming later in the year. This also teaches you about the software development lifecycle design, implement and test
- Problem Solving is combined with these units

By the end of the course, you will have produced some small software applications.

Next Steps?

Successful completion of the Level 4 course may allow you to progress to:

- NPA Software Development level 6
- NC Computing at level 5
- NC Games and Software Development level 6

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA Software Development (level 6)	Level 6	Kilmarnock Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire

This course will interest you if you enjoy working with computers, creating digital content or generally enjoy solving problems. The NPA in Software Development Level 6 is suitable for a wide range of candidates with the equivalent of level 4 computing ability who wish to develop the fundamental knowledge and skills required to solve problems by developing computer programs in a high-level language.

This is a good alternative if your school doesn't delivery Higher Computing.

What is the course about?

The NPA in Software Development at SCQF level 6 introduces learners to techniques that are important in the IT sector such as Computing Applications Development, Computing: Authoring a Website, and Software Design and Development. The principal aim of the qualification is to provide learners with programming skills and prepare them for employment as entry-level computer programmers. As the title indicates, this NPA is entirely focused on software development, including applications and websites.

As part of this qualification, you will:

- Develop knowledge and skills relating to software and web development
- Develop computational thinking skills including problem solving
- Develop transferable skills including Core Skills
- Develop employment skills
- Develop an appreciation of the contemporary IT sector

What are the entry requirements?

You need to have a satisfactory level of IT skills e.g., Microsoft Word and understand the general operation/navigation of a Windows based PC. You must possess an interest in at least one of the following: computer science, art, programming, audio, or design. It would be good if you have played different games and consoles/platforms but not essential as we will discuss a variety of examples throughout. You should have completed the NPA in Software Development at SCQF level 4 or be able to demonstrate a similar skill level in coding.

How will I be assessed?

You will be expected to create a portfolio of your work. The portfolio may be paper or electronic (digital) and should be completed over the period of the course, with you contributing material to the portfolio on an ongoing basis. This will be a combination of practical and knowledge-based assessments.

What should I expect?

You will study the following units:

- Computing: Applications Development
- Computing: Authoring a Website
- Software Design and Development

These include learning languages such as HTML, CSS, C#, and Python. The classes are very practical with some theory and written assessments. By the end of the course, you will have produced a small software application and website.

Next Steps?

Successful completion of the Level 6 course may allow you to progress to:

- NC Computing at level 6
- NC Games and Software Development
- HNC Computing courses depending on your Nat 5s and/or Highers at C grade or above.

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

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.

What are the entry requirements?

Intro to Construction 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.

What should I expect?

You will carry out a range of practical activities for the subjects listed above, which will be delivered within the college's construction workshops

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.

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

Do you have an interest in buildings or construction projects?

Would you enjoy learning how these are planned, designed, and built?

Why not consider a course in Architectural Technology.

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

Architectural Technicians aid the Architect in the design of the building, production of drawings and can be responsible for obtaining approvals from Planning and Building Control.

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 learn about the BIM process and become familiar with advanced CAD and ICT collaboration cloudbased 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 and sustainable design principals.
- 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.

You may also have the chance to:

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

What are the entry requirements?

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.

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, working towards your Graded Unit submission.

What should I expect?

You will learn the basic theory of construction methods, technology and materials required for most construction projects. There will be subjects focusing on construction materials, what's involved in the ground works and sub-structure of a project as well as the superstructure and approval process. There will be approximately 75% theory and 25% practical that would include drawing work and learning CAD skills and testing materials. Assessments are issued throughout each unit of each subject.

Next Steps?

Completing this HNC course would provide you with the minimum qualification for most jobs within the construction industry. It is recognised by Colleges and Universities alike and is the equivalent of studying the first year of university. If you'd like to work as an architectural technician within the construction industry, and fast track your career path, this course can help you on your way.

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 and is subject to universities entry requirements being met.
- Moving onto a BSc in Architecture, or
- Seeking to start your career in employment as an Architectural Technician.

A range of positions within the industry stem from the HNC in Architectural Technology Management such as:

- Architect / Architectural Technician,
- Construction Manager / Quantity Surveyor,
- Civil / Structural Engineer,
- Sustainability / Facilities / Property Manager,
- Building Inspector / Surveyor, or,
- Fire Engineer.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
SFW Intro to Renewable Energy (Level 5)	Level 5	Ayr and Kilwinning	Tuesday and Thursday	2:00 – 4:00	South Ayrshire East Ayrshire North Ayrshire

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 hydroelectricity 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 college 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. People with green skills are in high demand, therefore 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 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.

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 are the entry requirements?

A positive attitude

A willingness to learn

An interest in gaining a recognised qualification to pursue a career in the energy sector.

Passing an aptitude test and interview.

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 Certificate programme in Further Education
- Further Training or Employment

Specific courses at Ayrshire College may be -

- Pre-Apprenticeship Plumbing at SCQF Level 4 or 5
- Pre-Apprenticeship in Plumbing with Renewables at SCQF Level 5
- Pre-Apprenticeship in Electrical Engineering at SCQF Level 6*
- Wind Turbine Systems SCQF Level 6*

*will also require N5 Mathematics (not Applications of Maths)

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

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 Steps to Work Award at SCQF Level 4. Construction areas studied will include -

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

Please note that these units may be subject to change.

What are the entry requirements?

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.

What should I expect?

You will carry out a range of practical activities for the subjects listed above, which will be delivered within the college's construction workshops.

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

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA Acting and Performance (Level 6)	Level 6	Ayr Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire

This course offers different things to different people. It is the course for you if you are either already involved in youth theatre or always wanted the opportunity to perform.

It is the course for you if you are interested in a career in the performing arts and want to get started on the progression pathway.

It is also the course for you if you are keen to build your confidence and communication skills to prepare you for your next steps after leaving school.

What is the course about?

You will spend most of your time on this course preparing for and working towards a performance in front of a live audience. This means working creatively with text and developing skills in voice, movement, acting and stagecraft.

You will learn to work cooperatively in teams, to respond to direction and, in so doing, also develop self-awareness and a professional attitude.

What are the entry requirements?

In addition to a A-C pass at Nat 5 English or Drama, an interest in the performing arts and a willingness to commit to rehearsals and final performance is crucial.

How will I be assessed?

Theatre Skills in Performance: you will study the roles of the director and actor and be introduced to stagecraft. Your knowledge will be assessed by restricted response. You will then apply the skills and knowledge in a production in front of an audience. You will then evaluate the process.

Professional Theatre in Context: You will investigate two styles/genres of professional theatre and investigate the elements within them. You will explore the role of the theatre production team in creating a production i.e. Director, producer etc. You will evaluate the effectiveness of two contrasting professional theatrical productions.

What should I expect?

You will have lots of fun on this course as well as make lots of new friends through acting performance. This course is almost all practical, hands-on learning and you will also develop teamwork, communication, and creative thinking skills.

Next Steps?

You may progress to: HNC Acting and Performance

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA Digital Media with Film-making	Level 5	Ayr Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire
(level 5)					South Ayrshire

Wannabe Film/TV writers, radio producers, boom operators, directors, key grips, camera operators, gaffers, editors, or even assistant editors!

Anyone with a view to making a career in the media, with the primary focus on film, TV and radio. This course is a great mix of theory to focus your knowledge and practical projects to hone your technical and team working skills.

What is the course about?

Building media knowledge and your ability to critically analyse media. You'll look at video and audio production, challenging your technical and critical ability, through practical projects. Developing skills and knowledge that can be built upon to drive you on through further work, study and practice, building your confidence, potential and desire to work in the highly competitive world of media production.

What are the entry requirements?

Energy, communication skills, creativity, an innate ability to press buttons, but more importantly a desire to do so...and 4 National 4s or equivalent. English is a desirable qualification, particularly if you are looking to progress onto one of our other full-time media courses.

How will I be assessed?

Assessment will be continuous throughout the run of the course and undertaken by various means: You will produce video and sound projects, you will undertake short verbal presentations, produce production paperwork and written reports – all the good stuff. NO EXAMS!!!

What should I expect?

The course includes one short theory test which is open book. We usually complete this in the first 2 weeks. From there on in, you will be either planning creative projects (Video, Sound, Photography) or you'll be implementing them, through camera, audio recorders, lighting, DSLRs, and editing software.

Next Steps?

This course would be a perfect lead into our Level 6 Film and Broadcasting course that further develops your creative skills and practice. From there you can potentially move onto our HNC Media Analysis and Production course and on into employment or Higher Education.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Production Arts (Inc Technical Theatre NPA) - (Level 6)	6	Ayr Campus	Tuesday and Thursday	2:00-4:00	North Ayrshire South Ayrshire East Ayrshire

This course is designed for people who love:

To make things

Paint things

Design and build things

Design Costumes

Lights and sound for a gig or performance like panto

Stage Manage a show or concert

Any of the following: Music Dance Acting Digital Technology

To have fun and learn

What is the course about?

You will help design, build and paint set for gigs and panto. You will work with NPA Acting and Performance to light the shows and concerts as well as source music and sound effects for the panto/performances. You will make props and design costumes for the actors. You will learn skills that could lead to a course with a guaranteed job at the end of it in an exciting and creative environment in TV, Film, Theatre or Music Industries.

What are the entry requirements?

A love of Arts and Technology and a good work ethic. As well as an interview you will require a pass A-C in one of the following NAT 5 subjects:

Music

Art

Drama

Or any STEM related subject

How will I be assessed?

All assessments are practical based assessments

What should I expect

You will have lots of fun on this course. This course is 100% Practical hands-on learning. You will also develop teamwork, communication, and creative thinking skills.

Next Steps?

On successful completion of this course a guaranteed place on NC (National Certificate) or HNC (Higher National Certificate) Production Arts (Technical Theatre) with a pass in this subject area.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA Sound Production (Level 6)	Level 6	Ayr Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire

This course will interest you if you are interested in music and / or sound production and want to learn how to use industry standard software, such as Pro Tools, Ableton and Native Instruments, to create and manipulate tracks.

What is the course about?

This National Progression Award (NPA) is designed to equip you with the knowledge, understanding and skills you will need to succeed within the creative industries sector or to progress to further study. It is designed to bridge the gap between entry level education and professional career development. The NPA will allow you to develop a skill set, linked to National Occupational Standards for Sound, which has a thorough grounding in audio recording practice and allows individual and personalised skills development through the optional Units.

SQA Course Units:

- Sound Engineering and Production
- Sound: Understanding the Signal Path
- Sound Reinforcement
- Music Remixing

What are the entry requirements?

There are no formal entrance requirements. It's useful (not vital) to own and play an instrument. You should be committed to consistent and full attendance throughout the course.

How will I be assessed?

Most of the assessments are practical. You will have plenty of opportunities to develop competence and skills through formative work prior to any assessment.

Next Steps?

Successful completion of this NPA may provide opportunities for you to be considered for entry to other courses, e.g., HNC Sound Production or where appropriate the full National Certificate Sound Production SCQF level 6. You may also be able to be considered for HNC Technical Theatre.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Portfolio - Life Drawing and Printmaking (Level	Level 6	Ayr Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire
6)					South Ayrshile

This course will interest you if you are applying to art school or college from sixth year and would like to supplement your advanced higher portfolio with Life Drawing, Printmaking and Sketchbook Development Skills. You should be comfortable discussing your ideas with other students and lecturers and working with unclothed life models.

What is the course about?

The course is about broadening your artistic skills by providing you with an opportunity to develop key life drawing skills, to experiment with printing in a range of media including textiles and to learn how to use a sketchbook to develop your ideas and concepts.

The Printmaking Unit will introduce you to printmaking skills by allowing you to experiment with different methods. You will produce a portfolio of experimental prints, and plan, produce and present finished prints. This unit will be delivered along with a Design for Print unit, where you will develop skills and techniques which will allow you to investigate the commercial print process. You will research, develop, produce and present a design for print to a given brief.

The Life Drawing unit is centred around drawing the naked human form and the models may be male or female. You should come prepared to think differently about how you see and to leave with some great work for your portfolio. We will focus on drawing the human form and take you from the fundamentals of drawing through a variety of linear and tonal exercises to experimenting with media and reacting to shifting poses and movement. You will accumulate a large body of experimental and resolved work, through which you will flex your creative muscle and become confident in drawing the human body.

Sketchbooks are a vital component of the creative process, enabling students to visualise emerging and evolving ideas. In the sketchbook unit, students will have the opportunity to expand on themes and concepts arising in their portfolio and, through practical workshops and demonstrations, they will develop a substantial body of sketchbook work.

What are the entry requirements?

You should already have achieved a Higher Art; within your personal statement please tell us in in a couple of paragraphs about your career plans which should include applying to art school or to study art at college. Once your application has been approved by your school, we will contact you to ask you to email us between 6 and 10 Jpegs showcasing a variety of your recent work which, along with your personal statement, will form the basis of our selection process for the course.

How will I be Assessed?

The life drawing unit will be assessed on the overall success of your folio of life drawings, which will include a range of durations, experiments, partial studies, full studies and resolved final drawings.

The sketchbook unit will be assessed on the thorough creative expansion of your chosen theme and the range of creative ideas explored throughout the sketchbook.

The Design and Printmaking units require you to produce a folio of work which includes annotated research and development of ideas, a series of experimental prints using a variety of techniques and a minimum of two finished prints.

What should I expect?

The life drawing unit is entirely practical, while the sketchbook unit may ask you to carry out visual research to form a contemporary context around your artwork. Many of the basic materials and costs will be covered but you may be required to bring a toolkit of materials and tools, and we will advise you before the start of the course on what you will be asked to provide.

Next Steps?

Successful completion of this course may allow you to progress onto our level 6 or HNC Art & Design full time course, as well as supporting any application you make to Art School.

Course title	SCQF level	Venue	Days of	Times	Local Authority area
			Delivery		
NPA Children and Young People (Level 6)	Level 6	Ayr Campus Kilwinning	Tuesday and Thursday	2:00 – 400	East Ayrshire North Ayrshire South Ayrshire
- (infill)		Campus	Tuesday and Thursday	2:00 – 4:00	·

You can use knowledge from this course to progress onto further study in Childhood Practice or Social Services.

Early year's provision has changed significantly over the years. Today effective early learning and childcare experiences are recognised as playing a key role in future life chances and achievement for children and young people.

Social Service workers provide support and help to people who need it, helping them to live full and valued lives in the community. They help make sure children have the best start in life, so they grow up to be happy, healthy and secure.

This course will help you gain the knowledge and understanding you'll need to work successfully in early learning and childcare. It will also develop your knowledge, practical skills and qualities for working with children and young people.

What is the course about?

This course gives you an insight into what a career in social services would really be like - and if it's right for you.

The NPA Units include:

- Safeguarding Children & Young People
- Play for Children & Young People
- Communication with Children & Young People
- Development of Children & Young People
- Promoting Wellbeing of Children & Young People

What are the entry requirements?

Qualifications

For a place on this course, you'll need:

- To have at least 5 National 5 qualifications including English or Literacy.
- To be capable of working at SCQF Level 6 (Higher level), your Guidance Teacher can advise you on this.

Skills

Working in social services setting means you also need to be able to:

- Interact and communicate respectfully with children and staff
- Work with others
- Problem solving

Values

A commitment to appropriate values is very important. If you're interested in a career in social services, you can use the interactive resource a question of care: a career for you. Here, you'll answer a series of questions and receive a detailed personal profile at the end. A commitment to appropriate values is necessary and you can demonstrate this partly through responses in this resource.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Foundation Apprenticeship - Electrical Engineering Electrical (Level 6) 2 years	Level 6	Kilwinning Campus	Year 1 Tuesday and Thursday Year 2 Tuesday and Thursday	2:00 – 5:00 2:00 – 5:00	East Ayrshire North Ayrshire South Ayrshire

The Foundation Apprenticeship (FA) in Engineering aims to give you the opportunity to develop the skills and knowledge to enter a career in Engineering and the Advanced Manufacturing sector and other Engineering related industries.

The programme is designed to provide you with theory, practice, and related work experience. The FA in Engineering is aimed at you if you are in S5 and will take 2 years to complete. It also contributes directly to the achievement of the Modern Apprenticeship in Engineering by attainment of the core units of the MA qualification.

What is the course about?

Year '

In S5 you will attend College on a Tuesday and Thursday afternoon and will work towards the identified Performing Engineering Operations (PEO) level 2 units (SCQF level 5) and a proportion of the core/restricted core units from an Engineering related National Certificate (NC) at SCQF level 6. Other activities in S5 will include introducing you to the employer context in which engineering roles exist and how engineering skills are utilised in the workplace; this will involve industrial visits to employers and talks from industry professionals.

Year 2 – In S6 you will attend college on a Tuesday and Thursday afternoon you will complete any outstanding Performing Engineering Operations (PEO) units (SCQF Level 5) 5 units including 3 mandatory, and the remainder of any core / restricted core and optional units for the chosen National Certificate programme. Work-related experience will also be gained in S6 through a work placement and/or an industry challenge. The work-based competence units will be delivered and assessed in the workplace This course provides a basic requirement for a Modern Apprenticeship. You will learn vocational skills in Engineering. The units you will complete are:

- Using and Communicating Technical Information
- Working Efficiently and Effectively in Engineering
- Working Safely in an Engineering Environment
- Producing Components Using Hand Fitting Techniques
- Producing Mechanical Engineering Drawings Using a CAD System
- Using Computer Software Packages to Assist with Engineering Activities
- Assembling and testing electronic circuits
- Forming and assembling electrical cable enclosure and support system

What are the entry requirements?

Students to have 2 National 5's including Mathematics and one science (preferably Physics), students must also be studying Higher Mathematics during Year 1. Only S4 students should apply.

How will I be Assessed?

Assessments are a mixture of practical, which focus on the attainment of new skills as and when you acquire them, and theoretical. Assessment is on an ongoing basis.

What should I expect?

Most of the course involves practical workshop activities as you develop various engineering techniques. There are some computer-based subjects and some theory classes to broaden your knowledge of electrical concepts. All the practical units involve a small amount of paperwork to record your success and provide evidence of your achievement.

Next Steps?

At the end of the 2 years, you will complete a combination of Performing Engineering Operations units and an NC Engineering incorporating work placement, achieving a Foundation Apprenticeship in Engineering; you could progress to an HNC in Engineering or into employment or a Modern Apprenticeship.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Foundation Apprenticeship - Electrical Engineering	Level 6	Kilwinning Campus	Year 1 Tuesday and Thursday Year 2	2:00 – 5:00	East Ayrshire North Ayrshire South Ayrshire
Electrical (Level 6) - 2 years			Tuesday and Thursday	2:00 – 5:00	

The Foundation Apprenticeship (FA) in Engineering aims to give you the opportunity to develop the skills and knowledge to enter a career in Engineering and the Advanced Manufacturing sector and other Engineering related industries.

The programme is designed to provide you with theory, practice, and related work experience. The FA in Engineering is aimed at you if you are in S5 and will take 2 years to complete. It also contributes directly to the achievement of the Modern Apprenticeship in Engineering by attainment of the core units of the MA qualification.

What is the course about?

Year 1

In S5 you will attend College on a Tuesday and Thursday afternoon and will work towards the identified Performing Engineering Operations (PEO) level 2 units (SCQF level 5) and a proportion of the core/restricted core units from an Engineering related National Certificate (NC) at SCQF level 6. Other activities in S5 will include introducing you to the employer context in which engineering roles exist and how engineering skills are utilised in the workplace; this will involve industrial visits to employers and talks from industry professionals.

Year 2 – In S6 you will attend college on a Tuesday and Thursday afternoon you will complete any outstanding Performing Engineering Operations (PEO) units (SCQF Level 5) 5 units including 3 mandatory, and the remainder of any core / restricted core and optional units for the chosen National Certificate programme. Work-related experience will also be gained in S6 through a work placement and/or an industry challenge. The work-based competence units will be delivered and assessed in the workplace This course provides a basic requirement for a Modern Apprenticeship. You will learn vocational skills in Engineering. The units you will complete are:

- Using and Communicating Technical Information
- Working Efficiently and Effectively in Engineering
- Working Safely in an Engineering Environment
- Producing Components Using Hand Fitting Techniques
- Producing Mechanical Engineering Drawings Using a CAD System
- Using Computer Software Packages to Assist with Engineering Activities
- Assembling and testing electronic circuits
- Forming and assembling electrical cable enclosure and support system
- Uring and Testing Electrical Equipment and Circuits

What are the entry requirements?

Students to have 2 National 5's including Mathematics and one science (preferably Physics), students must also be studying Higher Mathematics during Year 1. Only S4 students should apply.

How will I be Assessed?

Assessments are a mixture of practical, which focus on the attainment of new skills as and when you acquire them, and theoretical. Assessment is on an ongoing basis.

What should I expect?

Most of the course involves practical workshop activities as you develop various engineering techniques. There are some computer-based subjects and some theory classes to broaden your knowledge of electrical concepts. All the practical units involve a small amount of paperwork to record your success and provide evidence of your achievement.

Next Steps?

At the end of the 2 years, you will complete a combination of Performing Engineering Operations units and an NC Engineering incorporating work placement, achieving a Foundation Apprenticeship in Engineering; you could progress to an HNC in Engineering or into employment or a Modern Apprenticeship.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
HNC Electrical Engineering (Infill) - (Level 7)	Level 7	Kilwinning Campus	Wednesday and Thursday	9:00 – 4:00	North Ayrshire_ <u>East Ayrshire</u> <u>South Ayrshire</u>

This course is for anyone who has an interest in Electrical Engineering and who wishes to progress to university or to employment through a modern apprenticeship.

Electrical Engineering is an exciting field of study with many opportunities within both an industrial and domestic setting such as production and process plants, maintenance, design, domestic wiring and testing and within the rail network.

What is the course about?

The Course covers theory and practical aspects of Electrical Engineering. You will cover basic electrical safety, Mathematics to assist you with performing electrical calculations and problem solving. The course includes:

- Engineering Mathematics 1
- Electrical Machine Principles
- Application of Electrical and Electronic Instruments
- Engineering Mathematics 2
- Applications of Programmable Logic Controllers
- Electrical Engineering: Graded Unit 1
- Three Phase Systems
- Communication: Practical Skills
- DC and AC Principles
- Electrical Safety
- Electricity Power Systems

What are the entry requirements?

For entry to this course, you'll need:

- A real interest in electrical Engineering
- A minimum of one relevant Higher at Grade C or above, preferably Mathematics or Physics

How will I be assessed?

Continual assessment

What should I expect?

This course will give you sound knowledge and understanding in the core aspects of electrical engineering while giving you the opportunity to specialise in several key areas. Your classes will consist of classroom-based theory work and incorporate some practical work to apply your knowledge to real life engineering problems. You'll develop practical skills in testing and measuring electrical circuit properties using analogue and digital instruments.

Next Steps?

You may progress to:

- Degree course at university, via our articulation arrangements, at UWS or Glasgow Caledonian University
- Start your career with a technical level post or an apprenticeship

Course title	SCQF level		Days of Delivery	Times	Local Authority area
HNC Mechatronics (Infill)- (Level 7)	7	Kilwinning campus	Wednesday and Thursday		East Ayrshire North Ayrshire South Ayrshire

This course is for anyone who has an interest in Engineering and who wishes to progress to university or to employment through a modern apprenticeship.

Mechatronics combines aspects of electrical and mechanical Engineering, as well as Robotics and Automation. It is an exciting field of study with many opportunities within both an industrial and domestic setting such as production and process plants, maintenance, design, domestic wiring and testing and within the rail network. If you've got a logical and inquisitive mind, enjoy problem solving and are curious to know how things work, this course will be suitable for you.

What is the course about?

The course covers theory and practical aspects of electrical and mechanical engineering, with elements of robotics and programming. There will be classes in Engineering, Mathematics and Communications; and you will cover basic electrical safety.

The main areas of study include:

- Mechatronic Systems,
- Robotics & Animatronics,
- Programming,
- Interfacing Electronics,
- · Electrical Engineering Principles,
- Electronic Testing Skills,
- Applications of PLC (Programmable Logic Controller),
- CAD for Engineers

What are the entry requirements?

For entry to this course you'll need:

- A real interest in electrical and mechanical engineering
- A minimum of one relevant Higher at Grade C or above, preferably Mathematics or Physics

How will I be assessed?

Continual assessment

What should I expect?

This course will give you sound knowledge and understanding in the core aspects of electrical and mechanical engineering, as well as robotics and automation while giving you the opportunity to specialise in several key areas. Your classes will consist of classroom-based theory work and incorporate some practical work to apply your knowledge to real life engineering problems.

Next Steps?

You may progress to:

- Degree course at university,
- Start your career with a technical level post or an apprenticeship

The info below was already on the marketing section of the CDP but not on the course leaflet For employed candidates this course is also available on Part Time/Day Release basis. To discuss this option and to obtain further information please contact the department by emailing lynn.anderson@ayrshire.ac.uk

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

Moving onto a relevant HND course such as Engineering Systems. Moving onto an engineering degree course at university. Seeking to start your career with a Modern Apprenticeship in a variety of engineering disciplines.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
Steps to Work – Hair and Beauty (Level 4)	Level 4	Ayr Campus Kilmarnock Campus and Kilwinning Campus	Monday and Wednesday Tuesday & Thursday	2:00 - 4:00 2:00 - 4:00	South Ayrshire North Ayrshire East Ayrshire

This course will interest you if you enjoy using your creative ideas in a practical way. You should also like working with other people and discussing how best to produce the looks you want to achieve. You should be prepared to participate as a model for fellow students which will require you to remove your own make-up before class

What is the course about?

The aim of this course is to give you the experience of a salon environment and the opportunity to learn about different roles and responsibilities in Beauty Therapy and Hairdressing. You will gain practical experience of general salon duties including assisting with customer care.

Beauty specific skills include facials and nail finishes.

Hairdressing specific skills include shampooing, conditioning, and drying hair.

Throughout the course emphasis is on the development of employability skills and attitudes valued by employers. You will study 2 SQA credits in total each semester; 1 credit from work related units and remainder from person centred units.

Work Related

Cosmetology: Beauty Practical Skills F0FE 10 - 1 credit Cosmetology: Hairdressing Practical Skills F0FA 10 - 1 credit

Person Centred

Practical Abilities H18W 44 Self in Community H18N 44

What are the entry requirements?

There are no formal entrance requirements, to get the best out of this course you should enjoy working in a creative environment and have a real interest in the Beauty and Hair industry. You should also relish the challenge of getting to know new people and you must be able to commit to consistent, full attendance throughout the course.

How will I be assessed?

You will be assessed on a range of practical activities carried out in a salon environment. You will also research and write up a project on a relevant topic related to hairdressing and beauty.

What should I expect?

Your hairdressing unit is 90% practical work in a salon either working on each other in class or a tuition head and you will complete client consultation cards. The beauty unit is the same, 90% practical work and in addition you will complete client consultations cards. You will reflect on your practical skills and record where you think you could improve. You will be involved in planning an event/project along with your lecturer which will include working with a community group. **NB Due to the practical nature of this course and health and safety requirements all students are required to dress appropriately for classes. Long nail extensions are not permitted.**

Next Steps?

Course may provide you with opportunities to progress to:

• A Level 4 or 5 Beauty or Hairdressing course.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NC in Oral Healthcare	6	Kilwinning Campus	Mondays And	9am- 4pm	North, South and East Ayrshire
(Schools in-fill)		•	Wednesdays		·

This course is an ideal preparation for starting your <u>career as a dental nurse</u>. You may also benefit from this course if you are planning a career in the NHS and are looking to boost your experience of clinical settings and health care before applying for posts or more advanced level courses.

What is the course about?

This is a nationally recognised qualification. The course develops your knowledge and understanding for working successfully in a dental or care setting.

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

- Decontamination
- First aid
- Health and safety
- Dental anatomy
- Dental patient care
- The clinical assessment of patients' dental health
- The safe handling of instruments, materials, and equipment used in dental practice
- Professional practice

You will develop an awareness of your skills, strengths and attributes. You will build upon your skills for life, learning and work.

What are the entry requirements?

For entry to this course, you will require three National 5 qualifications.

Please write a detailed personal statement on the online application form, giving your reasons for applying for this course.

You may be contacted to clarify points of information from your application.

How will I be assessed?

Assessments will be ongoing and will include both practical and knowledge-based assessments under closed- and open-book assessment conditions.

What should I expect?

Classes generally start at 9am, 11am and 2pm with breaks in between. You will have full access to college facilities during your break times. You will study a number of discrete units of study between August and January, and another set of units from January to June. Good attendance is a requirement for success. Opportunities to develop friendships and a support network will be high as you will remain with the same class group for the duration of your course. Most of your course will be delivered by a dental professional and skills work will take place in the dental skills lab.

Next Steps?

This qualification provides an excellent foundation for securing your employment as a trainee dental nurse. It reassures potential employers of your readiness to continue your training and the subsequent achievement of 'on the job' vocational qualifications that will enable you to register with the General Dental Council as a professional dental nurse.

This course may also be your stepping stone to the Higher Health and Social Care course or the HNC Healthcare Practice course.

Course title	SCQF level		Days of Delivery	Times	Local Authority area
HNC Hospitality Operations	7	Ayr	Mon/Wed		East Ayrshire North Ayrshire South Ayrshire

The course is for learners who are considering a career or indeed any employment within the hospitality, restaurant, hotel, and indeed visitor/tourism industries.

There are 14000 jobs across Ayrshire in the tourism industry with tourism businesses making up approx. 10% of all businesses in Ayrshire.

2021 turnover in Ayrshire in this industry was over £400m.

A key Ayrshire target is to develop our lovely local area to attract increased numbers of tourists which generates employment in this industry.

With in the Ayrshire and Arran Visitor Economy Strategy we are encouraged to develop a skilled, valued and committed workforce to ensure the success of the visitor economy.

Learners may be keen to develop a full career within this industry or indeed simply to gain skills, while still at school, that may serve them well in maintaining positive, enjoyable part time employment while they continue studying in alternative areas through college or university.

What is the course about?

The **Higher National Certificate (HNC) in Hospitality Operations** develops knowledge and skills core to all areas of hospitality operations and provides the opportunity to complete more specialist units in, for example, accommodation operations, front office management, specialist food and beverage services, events and conferences. HNCs and HNDs can provide progression to degree-level study. For example, the HNC in Hospitality Operations allows direct entry into the second year of some degree programmes.

Coverage includes...

- Hospitality Supervision
- Financial Control
- Food and Beveridge Operations
- Food Hygiene

What are the entry requirements?

1 Graded Higher (A-C) with evidence of National 5 (A-C) success spanning more than one area.

How will I be assessed?

There will be a combination of practical and theory assessments on an ongoing basis. Learners will receive full support from their lecturers in preparation for any assessments.

What should I expect?

Expect a course involving both practical and theory classes allowing you to gain a broad knowledge of the hospitality industry and how various aspects of successful business operate in this sector

Next Steps?

Obtaining an HNC (SCQF level 7) qualification would be beneficial for any next steps but more specifically SQA confirms that entry to university level courses in Hospitality can be gained with the HNC award.

Learners may also have interests in other areas and create a UCAS application which is bolstered by this experience of attending college and achieving at SCQF Level 7 prior to leaving school. The HNC may then allow a broader choice of employment options while studying in other areas.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA	Level 5	Kilmarnock	Tuesday		East Ayrshire
Hospitality (Level 5)		Campus	Thursday	2:00-4:00	South Ayrshire North Ayrshire
		Ayr Campus	Monday and Wednesday	2:00-4:00	·

Anyone who is interested in the hospitality and events sector. This course will help you in getting employment in restaurants, cruise ships, hotels, and conference centres. If you are interested in, or would like to know more about, a career in hospitality, then this course is the one for you. Did you know:

- The hospitality industry in Scotland employs 10% of the overall workforce
- It covers a wide range of businesses of all sizes from hotels, restaurants, cafes, pubs, serviced accommodation, conferences and events to commercial and more institutional settings such as hospitals, the armed services, contract catering, care homes and prisons.
- The industry recruits' vast numbers of workers each year but there is a huge skills shortage with Brexit you will never be out of work in this area!

What is the Course About?

This course covers all aspects of working in the hospitality industry:

- You will learn about all the different places you can work (from hotels to cruise ships)
- Job roles in hospitality will be looked at and how your career can progress
- Specific hospitality business in detail
- You'll plan, complete and evaluate a period of work experience in the hospitality industry
- You'll learn about customer care and have the practical experience of doing Barista.

What are the entry requirements?

You need National 4 English and Maths as well as a real interest in learning about the hospitality industry. You will also need to have a strong reference from the school that acknowledges that you are fully aware of the time commitment and breadth of study expected from you.

Applicants with a relevant level 4 NC qualification gained at the college can also be considered.

This course has a demanding practical element, and you are required to be on your feet for long periods of time.

How will I be assessed?

Assessment will be a mixture of practical observations, projects and assignments.

What should I expect?

This course is approx. 50% practical and 50% theory. There is planning needed for an event and theory to run side by side the practical elements. PLEASE NOTE THAT YOU WILL NEED TO DO WORK EXPERIENCE AS PART OF THIS COURSE.

Next Steps?

This course provides a foundation for those of you interested in progressing to full time college programmes such as Food and Beverage Service at SCQF level 5, Event Management HNC or for those seeking an entry-level position in the industry.

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA Professional Cookery (Level 4)	Level 4	Kilmarnock Campus	Tuesday	2:00-5:00	East Ayrshire
		·	Thursday	1 hr remote	
		Ayr Campus	Monday and Wednesday	2:00 – 4:00	North Ayrshire South Ayrshire

If you are interested in cookery (or think you might be) and want to learn from the professionals, then this is the course for you.

What is the Course About?

This course will help you develop skills in cookery and teach you about working in a professional kitchen. You'll increase your knowledge of food products; you will learn a variety of food preparation techniques and cookery processes ranging from home baking to preparing healthy dishes. This course also includes cake decoration where you will learn, for example, coating, piping, and modelling.

You are required to wear appropriate clothing to meet current food safety laws when in the kitchen. You will need to bring this with you for every class or you will not be allowed to participate in the class. These will be provided to you, but you will need to wash these ready for the next class

What do I Need?

There are no formal entrance requirements, but to get the best out of this course you should enjoy working in a practical environment, have a real interest in the hospitality industry and not be afraid to stand for periods of time! You should also enjoy the challenge of getting to know new people. You also need to wear a protective uniform in the kitchen and bring something to take the food you make home.

You should also enjoy getting to know new people. You need to be committed to attending all the classes.

How will I be assessed?

Most of the assessment will be practical, and some will take place in the classroom.

What should I expect?

You will be in the kitchen for most of your course, there is some theory involved which needs to be completed alongside your practical work. You will make a variety of dishes including Lasagne, Chilli Con Carne, Burgers, Biscuits and Cakes.

Next Steps?

On successful completion of this course you will have the opportunity to apply for: Introduction to Professional Cookery and Hospitality Level 4.

Course title	SCQF level		Days of Delivery	Times	Local Authority area
NPA in Criminology (Level 6)		Kilwinning Campus and Ayr Campus	Tuesday and Thursday		East Ayrshire North Ayrshire South Ayrshire

This course is aimed at learners who wish to develop their knowledge of the fascinating discipline of Criminology.

This course offers you the opportunity to develop your knowledge and skills while you learn about the various areas that Criminologists explore.

NB The nature of criminology is challenging and includes sensitive topics such as domestic violence and sexual abuse. All applicants need to consider this when applying for the course.

What is the course about?

You will develop an understanding of the different types of physical evidence available at a crime scene and how this evidence is utilised. You will learn about the role of forensic psychology in the police, prison, and court systems. Using famous cases, you will develop an understanding of forensic psychology and profiling.

You will develop an understanding of the different types of crimes that are committed with the local community. In addition, this course will introduce you to the different ways that members of the community perceive crime and the role of the mass media in perceptions of crime. You will also learn about the various measures introduced to tackle crime and whether they are helping or hindering the community.

What are the entry requirements?

An interest in Criminology, the nature of crime and theories of its causes and solutions.

National 5 in English and a Social Subject (pass at B) however we may also consider applicants who have Biology as an alternative to a Social Science subject.

How will I be assessed?

Assessment is continuous throughout the course and consists of 2 open book and 1 closed book assessments.

What should I expect?

You should expect this course to be interesting and stimulating and to be able to build on your knowledge and evaluative skills when considering criminological theory and research evidence. You should expect to commit to this course fully for success and achievement. Assessment arrangements will include some open and closed book work, and some portfolio work. This course will develop your digital skills through alternative assessment methods using digital presentation and a varied approach to learning and teaching from our subject specialists.

Next Steps?

On successful completion of the course, you may wish to apply for NC Social Science, NC Higher Social Sciences or HNC Social Science (depending on other qualifications).

Course title	SCQF level	Venue	Days of Delivery	Times	Local Authority area
NPA in Psychology (Level 6)		Kilwinning Campus, Kilmarnock Campus and Ayr Campus	Tuesday and Thursday	2:00 – 4:00	East Ayrshire North Ayrshire South Ayrshire

This course is aimed at learners who have an interest in human behaviour and wish to develop their understanding of the human mind.

This course offers you the opportunity to develop your knowledge and skills while you learn about an interesting range of topics that Psychology has helped us understand.

What is the course about?

Psychology is the scientific study of human behaviour and mental processes. It is a branch of knowledge that focuses on people, either as individuals or in groups. By studying psychology, it is possible to uncover the meanings behind human behaviour.

Through this course you will learn about the different approaches' psychology takes to understand and explain a range of topics. You will look individual behaviours such as memory, stress, intelligence, and psychopathology. You will also look at social relationships and the impact they can have such as conformity, obedience, attraction, prejudice and aggression.

Throughout the course you will develop knowledge and skills such as analysing, evaluating, and applying knowledge in relation to psychological research.

What are the entry requirements?

National 5 in English and a Social Subject (pass at B) however we may also consider applicants who have Biology as an alternative to a Social Science subject.

How will I be assessed?

Assessment is continuous throughout the course and consists of a variety of activities such as essays, reports, posters, and pre-recorded presentations.

What should I expect?

You should expect this course to be interesting and stimulating and to be able to build on your knowledge and evaluative skills when considering psychological theory and research evidence. You should expect to commit to this course fully for success and achievement and assessment arrangements will include some open and closed book work, and some portfolio work. This course will develop your digital skills through alternative assessment methods using digital presentation and a varied approach to learning and teaching from our subject specialists.

Next Steps?

On successful completion of the course, you may wish to apply for Level 5 Social Science, Level 6 Social Science or HNC Social Science (depending on other qualifications).

Course title	SCQF	Venue	Days of	Times	Local Authority
	level		Delivery		area
HNC Sports,	Level 7	Kilwinning	Tuesday and	9:00 - 4:00	East Ayrshire
Coaching and		and	Thursday		North Ayrshire
Development		Kilmarnock			South Ayrshire
(infill) (Level 7)		Campus		9:00 - 4:00	,
		·	Monday and		
		Ayr Campus	Wednesday		

If you're into sport and fitness and are thinking about a future career in sports coaching, sports development, exercise or the leisure industry this course can help you on your way. It covers all aspects of sports coaching and development, giving you the knowledge and skills, you'll need to confidently develop participant talent within a range of sports

What is the course about?

You'll spend significant time in the coaching environment. However, there's also a fair bit of theory and written elements, so be prepared to spend time in the classroom as well as self-study. You'll have the chance to:

Gain hands on, industry led experience, through a weekly placement with a community partner (e.g. Active Schools, Leisure Trusts).

- You'll hone your coaching skills in a real-life sporting environment, developing young athletes.
- Learn top tips for success from people who work in the industry, such as sport development and active schools staff along with workshops from partners including, Colours of our Scarves.
- You'll also be encouraged to extend your industry work and volunteering out with school/college, to maximise your chances of networking and employment.

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

- Sports Development: investigating how to build sustainable sport projects within our communities.
- Human Anatomy, Physiology and Biomechanics in Sport: to give you an essential understanding how the body functions and performs along with how it can be trained.
- Developing Professional Practice: As a coach we must consider how we approach our role to ensure the best experience for our participants.
- Sports Coaching Practitioner: Knowing Yourself, Others and Coaching: allowing you to develop a wide understanding of being a sports coach.

What are the entry requirements?

For entry to this course, you'll need:

- A real interest in sport and fitness
- 2 Graded Higher passes A C

How will I be assessed?

Mainly written assessments of a closed book and assignment-based nature. We will also assess your leading and coaching from the point of view of planning, doing, and evaluating your sessions. Assessment is ongoing throughout the year so no "big exams" to worry about.

What should I expect?

80% of the course is theory based due to the SCQF level of the course. At SCQF level 7 you are operating at the equivalent of Year 1 University degrees which requires significant understanding. Practical application of coaching knowledge is still important and so coaching/placement activities will make up approximately 20% of the learning.

Next Steps?

Successful completion of this Course may provide you with opportunities to progress to a full-time HND year 2 course in Sports Coaching and Development at college. You would require to undertake 3 articulation credits to make this possible, however we will offer you full support in this. Some learners have completed their HNC Sports Coaching and moved directly to 2nd year university courses. The HNC can also be used to make your Year 1 university application stand out from the crowd.

Course title	SCQF level		Days of Delivery	Times	Local Authority area
HND Year 1 Applied Sport Science (incorporating HNC Fitness)	7	Kilwinning	Tues/Thur		East Ayrshire North Ayrshire South Ayrshire

If you'd like to work in a sport or exercise, for example in an athlete support capacity, this is the course for you. It covers all the key aspects of sports and exercise science, including Physiology, Sport Psychology, Nutrition and Mechanics.

The course would suit learners with a keen interest in sport, exercise and physical activity who perhaps have strengths in these areas but who also wish to investigate the factors that sit behind strong sporting performance.

Learners will investigate how the body and brain reacts to physical challenges and learn how to best prepare participants for exercise.

An HND takes 2 years to complete but please read on to learn the options for learners to complete only year 1 but still leave with and excellent collection of qualifications.

What is the course about?

The first year of the HND mirrors the HNC Fitness Health and Exercise course closely and covers all the main knowledge required to begin work in the fitness industry.

Why Choose This Course

By enrolling in our HND Year 1 Applied Sport and Exercise Science course, you can:

Develop practical skills in instructing, analysing and testing clients

Access industry-led experiences and expert advice from professionals

Develop your MetaSkills applicable in various career settings

Unlock your potential in the exciting realm of sport and exercise science.

Year 1 focusses on the foundation of safe and effective exercise training and as the course develops through the 2 years you will:

Gain hands-on experience in fitness suites and facilities

Learn more about sport psychology and mechanics

Learn the nuances of exercise physiology and anatomy

Explore the psychology of exercise and safely supporting clients

Look at optimising performance through biomechanics

Develop skills in planning, teaching and evaluating gym-based exercise sessions

What are the entry requirements?

2 Graded Highers (A-C)

How will I be assessed?

Ongoing assessment in practical and theory settings. Theory assessments will be a mix of closed book assessments and essay style assignments. Lecturers will offer detailed guidance and support surrounding all assessments.

What should I expect?

A mainly theory course with practical application of your learning within the gym or other exercise environment. Expect to be challenged to grow your understanding of Sport and Exercise Science allowing you to take that knowledge and make practical use of it in your next role whether that be at college, university, gym work or coaching.

Next Steps?

We are keen to provide multiple exit points to suit the needs of each learner that joins us. School pupils who join us for this course will have the following options on completion....

Progress within Ayrshire college: Learners, on successful completion of their S6/HND1 year, can move directly to our HND Year 2 Applied Sport Science course. Learners will have already achieved 12 SQA Unit credits at SCQF Level 7 and will also be awarded the HNC in Fitness Health and Exercise (which includes the required learning to join CIMSPA (Chartered Institute for the Management of Sport and Physical Activity) with Gym Instructor accreditation.

Coming to Ayrshire College would allow learners to remain with their current lecturers and further develop their knowledge, skills and confidence.

Returning to Ayrshire College for 1 year (post school) then results in the award of HND Applied Sport Science (along with the HNC Fitness, Health and Exercise/CIMSPA recognition).

Previous learners have successfully accessed degree programmes with advanced entry (Year 3) thanks to the completion of the HND.

Progress to other education or opportunities: During their S6 year learners would, if successful, complete all the requirements of HNC in Fitness Health and Exercise (which includes the required learning to join CIMSPA (Chartered Institute for the Management of Sport and Physical Activity) with Gym Instructor accreditation. Learners are awarded the HNC Fitness, Health and Exercise after this 1 year.

Learners can therefore leave after the HND1 year (choosing not to come to college) taking these qualifications which would be a great addition to any UCAS application while also opening employment doors in the fitness industry.

To apply for a school college course please use this QR code



Or the following link

www1.ayrshire.ac.uk/schools/school-college-courses-apply/