



University of the
Highlands and Islands
Argyll College

Modern Apprenticeships

Boatbuilding & Repair
Composite and Metal
Boat Construction

Introduction

A new Modern Apprenticeship in Boat Building and Repair was launched in March 2019. The qualification was developed by Semta, the Engineering Skills Council, in cooperation with British Marine, Argyll College UHI and City of Glasgow College, and representatives of the marine industry to encourage the recruitment and training of the next generation of boat builders in Scotland.

Argyll College UHI is Argyll's largest provider of further and higher education. We have a network of learning centres located across Argyll & the islands of Bute, Islay, Arran and Mull. As your local training provider we are your ideal partner to help you develop your team and create a workforce for the future.

This programme is part of a wider expansion of the University of the Highlands and Island's Modern Apprenticeship offering, which provides employers with access to comprehensive tailored training to their needs.

What is a Modern Apprenticeship?

Modern Apprenticeships offer those aged over 16 years old, flexible training and a qualification designed for your industry. A Modern Apprentice will be in paid employment and have the opportunity to train for jobs your business needs. Modern Apprenticeships are developed by Sector Skills Councils (SSCs). This Modern Apprenticeship has been developed by Semta.

Who are they for?

Modern Apprenticeships are not just for young people – your apprentice can be any age, as long as they are over 16. You may have an existing employee who you'd like to develop, or you might want to recruit a Modern Apprentice to join your team and provide future workforce skills.

Employees need to demonstrate to you that they have the potential to complete the programme. The Modern Apprenticeship framework selected for the employee must be the most appropriate learning programme available to that individual.

How long will it take my employee to become qualified?

This programme should take around three years to complete, but will be dependent on each individual, and in some cases can be completed faster.

Are there any minimum entry requirements?

There are no formal qualifications required to enter this Modern Apprenticeship programme, but you should be confident that your apprentice will be able to achieve the SCQF Level 5 certificates in core skills outlined below.



What's involved in this apprenticeship?

The Modern Apprenticeship in Boatbuilding and Repair (Composite or Metal Construction) is made up of three parts:

1. NC Engineering Systems (SCQF level 6)

College based learning includes the National Certificate in Engineering Systems (SCQF level 6), plus a number of additional practical engineering units.

During the first year of their Modern Apprenticeship your employee will attend our Construction, Engineering and Renewables Centre (CERC) in Lochgilphead for two days per week, from September through to June, and in the second year of the programme they will attend college for one day per week.

Year 1 will introduce a range of practical and theoretical skills and knowledge covering:- Using and Interpreting Engineering Data and Documentation, Producing Components Using Hand Fitting Techniques, Maintaining Mechanical Devices and Equipment, Preparing and Using Manual TIG or Plasma-arc Welding Equipment, Maintaining Electrical Equipment and Systems, Producing Sheet Metal Components and Assemblies, Complying with Statutory Regulations and Organisational Safety Requirements, Working Efficiently and Effectively in Engineering, Mathematics for Engineering.

In Year 2, practical subjects will be delivered at CERC in Lochgilphead, and some theoretical subjects may be delivered at any of our local Argyll College centres – the locations can be found on the back page.

Subjects will include Mechanical and Electrical Principles, Engineering Systems, Engineering Materials, Engineering Dynamics and CAD for Engineers.

2. SVQ in Boatbuilding and Repair (Composite or Metal Boat Construction) at SCQF level 6

Scottish Vocational Qualifications (SVQs) are based upon national standards and provide evidence that learners can do their jobs well. There are no formal written exams. People doing SVQs collect and submit evidence, usually from their own day to day work. SVQ units are based on national occupational standards.

Each SVQ unit defines one aspect of a job or a work role, and what it is to be competent in that aspect of the job. You will be responsible for ensuring your employee is given the opportunity and the support to complete the on-the-job training required for them to satisfy each unit assessment.

Learners can work through units one at a time, or can gather evidence for some units at the same time. Evidence can include photos, videos or written submissions. Your employee will be assessed by us on a wide variety of skills that they will learn in the workplace.

There are four mandatory SVQ units and a range of optional units depending on the chosen pathway (Composite or Metal Boat Construction), and your own particular business requirements. At the outset, our SVQ assessor will meet with you and your Modern Apprentice to discuss and agree which units are most suitable for them, and for your business.

3. A range of Core Skills at SCQF level 5

These will be separately certificated. Some may be evidenced with work gathered through the other units, and some will be taught and assessed in college. (eg. ICT). The units include Communication, Working with Others, Problem Solving, Information and Communication Technology and Numeracy.



What are my responsibilities as an employer of a Modern Apprentice?

As an apprentice employer, you'll be expected to:

1. Pay the apprentice's salary, just like any other employee.
2. Offer your apprentice the same working conditions as other employees in similar roles. This includes: paid holidays, sick pay, benefits and support. You should have an Equal Opportunities Policy in place and take responsibility for the health and safety of your apprentice.
3. Work with us to develop a training agreement for your apprentice, which will detail when and where training will take place, and outline what this will involve. We'll ask you to meet with us and the apprentice to review their progress.
4. Ensure you have the correct facilities for the apprentice to meet their training outcomes – our assessor can help you with this.
5. Continue to work with your apprentice and the learning provider throughout their apprenticeship, providing ongoing support, mentoring and development opportunities to help them achieve their qualification.

What do I have to pay them?

You must pay your apprentice at least the National Minimum Wage.

You'll find full details of current rates at www.gov.uk/national-minimum-wage-rates.

Modern Apprentices are also entitled to paid holidays, sick pay, and the same benefits as your other employees.

You must pay your apprentice for their normal working hours, plus, any training that's part of the apprenticeship – i.e. time spent in college or meeting their SVQ assessor. We'll discuss with you at the outset how much time this is likely to be.

Costs & Funding

The cost of the training and assessments is funded by Skills Development Scotland (SDS). You will not have to claim this or receive payment – SDS will pay your training provider.

In some cases SDS will provide some support for travel and accommodation costs incurred while attending college. Our Modern Apprentice Advisor will be able to give you more details.

The Shipwrights Apprenticeship Scheme encourages small businesses in the marine sector to train apprentices and can help you fund the costs of employing a Modern Apprentice in their first year, including their wages.



Is there anyone who can help me with this?

The Shipwrights Livery Company administer The Shipwrights Apprenticeship Scheme and they can also help you with recruitment, interviewing, contractual administration and mentoring your Modern Apprentice.

Any questions about the scheme or requests for funding can be directed to the SA Scheme Administrator at sascheme@shipwrights.co.uk or via the Shipwrights' Offices on 020 7606 2376.

Skills Development Scotland (SDS) can help advertise your Modern Apprenticeship vacancy for free on www.apprenticeships.scot. It's quick, easy to do and SDS will post it on their vacancy pages, and publish it on carefully selected partner websites like Adzuna and My World of Work.

There is a range of information for employers at www.apprenticeships.scot/for-employers/

As your training provider Argyll College is here to support you and your Modern Apprentice through the whole process. You can get in touch with our specialist Modern Apprentice adviser Dawn Miller by email or phone, and we'll be happy to make an appointment to visit you.

What next?

If you are interested in employing a Modern Apprentice, please get in touch with us today:

Modern Apprenticeship Advisor

Dawn.Miller@uhi.ac.uk

01631 559670

You can also contact your local learning centre for help and advice on any Argyll College UHI courses. Visit www.argyll.uhi.ac.uk for more information.



BOAT BUILDING AND REPAIR SVQ – PATHWAYS

Mandatory Units – All Pathways / All Candidates

Unit 1	Complying with Statutory Regulations and Organisational Safety Requirements
Unit 2	Using and Interpreting Engineering Data and Documentation
Unit 3	Working Efficiently and Effectively in Engineering
Unit 25	Slinging, Lifting and Moving Materials, Machinery and Components in a Marine Environment

Pathway 1 – Timber Boat Construction

Mandatory Units – All Candidates

Unit 216	Repairing yacht and boat wooden components and assemblies
Unit 217	Repairing yacht and boat composite components
Unit 229	Producing/finishing wooden structural components for yachts and boats using hand tools
Unit 230	Producing wooden structural components for yachts and boats using machines

Optional Unit – Candidates To Complete Any 3

Unit 138	Installing Marine Wooden Components
Unit 228	Lining off for assembly and erection of yacht and boat wooden components
Unit 224	Finishing yacht and boat wooden furniture/outfitting units by applying surface finishes
Unit 208	Installing domestic systems and equipment in yachts and boats
Unit 207	Installing ancillary systems and equipment in yachts and boats
Unit 214	Servicing ancillary systems and equipment in yachts and boats
Unit 232	Preparing yacht and boat surfaces for coating/finishing using hand and mechanical tools
Unit 234	Applying surface coatings manually to yachts and boats
Unit 235	Applying surface coatings to yachts and boats using spray methods
Unit 237	Applying fairing/filling compounds to yachts and boats

Pathway 2 – Composite and Metal Boat Construction

All Candidates to Complete Any 4 Units

Unit 135	Producing Marine Wooden Components using Hand Tools
Unit 136	Producing Marine Wooden Components using Machines
Unit 216	Repairing yacht and boat wooden components and assemblies
Unit 217	Repairing yacht and boat composite components
Unit 50	Assembling Fabricated Components to Produce Marine Sub-Assemblies
Unit 54	Cutting Materials using Hand and Machine Tools
Unit 62	Outfitting Marine Steelwork

Composite
Boat Construction

Metal
Boat Construction

Composite
Boat Construction

All Candidates to Complete Any 3 Units

Unit 146	Producing marine composite assemblies
Unit 148	Installing marine composite components
Unit 150	Repairing marine composite components and assemblies
Unit 151	Identifying defects in marine composite components and assemblies
Unit 203	Installing Electrical Equipment in Yachts and Boats
Unit 232	Preparing yacht and boat surfaces for coating/finishing using hand and mechanical tools
Unit 234	Applying surface coatings manually to yachts and boats
Unit 235	Applying surface coatings to yachts and boats using spray methods
Unit 224	Finishing yacht and boat wooden furniture/outfitting units by applying surface finishes
Unit 237	Applying fairing/filling compounds to yachts and boats
Unit 207	Installing ancillary systems and equipment in yachts and boats

Metal
Boat Construction

All Candidates to Complete Any 3 Units

Unit 51	Cutting and Shaping Materials using Portable Thermal Cutting Equipment
Unit 52	Assembling Sub-Assemblies and Components to Produce Major Marine Structural Assemblies
Unit 63	Tack Welding Marine Plate using a Manual/Semi Automatic Welding Process
Unit 181	Preparing Marine Material Surfaces using Hand and Mechanical Tools
Unit 182	Preparing Marine Coating Materials for Application
Unit 189	Applying deck screeds and other deck coverings
Unit 67	Installing Marine Propulsion Systems and Equipment
Unit 70	Installing Marine Hydraulic Systems and Equipment
Unit 76	Installing Marine Ancillary Plant and Equipment
Unit 75	Installing marine lifting equipment
SEMFWE304	Welding Materials by the Manual Metal Arc Process
SEMFWE305	Welding Materials by the Semi-automatic MIG/MAG and flux cored arc Processes
SEMFWE322	Marking Out Components for Metalwork
SEMFWE332	Cutting Plate and Sections using Shearing Machines
SEMFWE3051	Cutting and Shaping Materials using Portable Thermal Cutting Equipment
SEMFWE334	Cutting Materials using Saws and Abrasive Discs
SEMFWE335	Bending and Forming Plate using Press Brakes or Bending Machines
SEMFWE344	Forming Pipework by Machine Bending
SEMFWE345	Producing Pipe Fabrications

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Young Workforce