OUR COURSES

Students can study part- or full-time. The modular structure of our courses is designed to allow practicing professionals to fit their studies around their work commitments.

We offer a range of postgraduate courses, designed to be flexible:

- A **Masters degree*** awarded by the University of Stirling. It consists of 4 SQA-certified units and an additional supervised thesis project.
- An **Advanced Professional Diploma*** awarded by Forth Valley College, and consists of 4 SQA-certified units.
- **Group Awards or Units** certified by the SQA*, can form part time study of the above qualifications or simply develop knowledge on particular conservation themes.
- **Individual Subject Modules** will be certified by Historic Environment Scotland. Like the Group Awards, they are intended for those who would like to further their knowledge in a specific area of conservation.
- **Spotlight Lectures** are one or two day lectures within the modules available to a wider audience as Continuing Professional Development (CPD).

*subject to validation

CANDIDATES AND CAREER PROGRESSION

Students will ideally come from backgrounds in disciplines such as architecture, engineering, planning, surveying and archaeology.

The courses are open to both recent graduates and active professionals, as well as experienced building practitioners who are looking to further their understanding of current conservation principles and practices.

The focus on practical aspects of conservation means that graduates will have a competitive advantage, whether they're starting out in the heritage sector, or looking to take their careers to the next level.

Find out more

To register your interest in the Advanced Professional Diploma contact Gordon Urquhart, the Postgraduate Course Manager, on **gordon.urquhart@hes.scot**

Find out more at **www.engineshed.org**

The Engine Shed is Scotland's dedicated building conservation centre, based at Forthside in Stirling. Run by Historic Environment Scotland, it serves as a central hub for building and conservation professionals and the general public.

To find out more about the Engine Shed and our programme of activities and events visit **www.engineshed.org**

THE ENGINE SHED AN SEADA EINNSEIN
SCOTLAND'S BUILDING CONSERVATION CENTRE

Part of Historic Environment Scotland

Forth Valley College
Making Learning Work

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LEARN AT THE ENGINE SHED

Advanced professional diploma in technical building conservation

LEARN AT THE ENGINE SHED

Historic Environment Scotland's new building conservation postgraduate qualifications have been specially developed to fill a gap in practical conservation training in Scotland.

These new qualifications focus on the nature, use and repair of historic building materials, set within the context of Scottish architectural traditions and international conservation principles and practices. Students will learn how to manage conservation projects, as well as visiting sites across Scotland to gain unique insights into major repair schemes *in situ*. See the reverse side for a full list of units and modules.

Courses will be based at the Engine Shed in Stirling, Historic Environment Scotland's brand new building conservation centre.

While much of the instruction is classroom-based, students will also take part in hands-on craft demonstrations, lab work with HES scientists, and studio work with our Digital Documentation team. Students will also have the unique opportunity to undertake site visits and fieldwork at active conservation projects across the country, from repairs to HES's own properties such as Edinburgh Castle and Dunkeld Cathedral, to grant-aided sites such as the Glasgow School of Art and St Peter's Seminary, Cardross.

COURSE OUTLINE

Unit 1:
Conservation in Context

This Unit provides an overview of the basic principles and traditions underpinning architectural conservation, with an emphasis on those particular to Scotland. Students will learn about Scotland's historic built environment, its cultural significance and the threats to its physical integrity.

Unit 1 aims to train students to approach custodianship of Scotland's historic environment intelligently, sensitively and respectfully, following established international protocols and standards of best practice.

Unit 1 is comprised of the following seven Modules:

Module A
Scottish Architectural Traditions

Module B
Building Fabric & Function

Module C
Conservation Principles & Ethics

Module D
Conservation Policy & Planning

Module E
Sustainability & Adaptation in the Historic Environment

Module F
Documentation of the Historic Environment

Module G
Project Design & Management

Unit 2:
Masonry, Limes & Cement

This Unit explores the role of traditional masonry in Scottish building construction, how it was used historically, the nature of the material and how it now weathers in the changing Scottish climate. Students will learn how to undertake repair and conservation projects, with an emphasis on the role of emerging research technologies and new conservation techniques driven by innovations in materials science.

Unit 2 focuses on stone, lime mortars, plasters, renders and harling, cement and concrete, fired and unfired clays, and earth. These are materials with their own particular traditions in Scottish architectural and engineering history.

Unit 2 is comprised of the following six Modules:

Module H
Stone Conservation

Module I
Fired Earth Conservation

Module J
Unfired Earth Conservation

Module K
Mortar, Plaster & Render Composition

Module L
Mortar, Plaster & Render Application

Module M
Historic Cement & Concrete

Unit 3:
Structures & Finishes

This Unit examines conservation issues for a wide range of materials used for constructing and finishing traditional buildings in Scotland, from cast iron columns and wrought iron gates to a variety of plain and ornamental glasses, timber used for wall cladding and structures, and decorative coatings. Students will learn about the historic role of these materials and how to choose the most suitable approach for their conservation or repair.

Unit 3 aims to train students to successfully identify and assess the cultural significance of the various materials *in situ*, to survey/inspect and diagnose causes of decay, deterioration or mechanical failure, and devise appropriate methodologies to undertake repairs or conservation.

Unit 3 is comprised of the following six Modules:

Module N
Conservation of Ferrous Metals

Module O
Conservation of Non-Ferrous Metals

Module P
Historic Glass & Glazing Conservation

Module Q
Conservation of Surface Finishes

Module R
Conservation of Timberwork

Module S
Traditional Roofing Repairs

Unit 4:
Final Project

Module T
Final Project

The Final Project in the Advanced Professional Diploma course has been designed to enable students to consolidate their skills, knowledge and understanding by taking part in a practical exercise which reflects the real life activity of a professional conservationist.

Students form small teams and undertake an intensive four-week case study project to identify, research, survey, assess and specify a programme of repair works for a structure on Scotland's Buildings at Risk Register. Students are then tasked with developing proposals for altering or converting the redundant structure to facilitate a new, alternative use.

A key element of this exercise is for the students to engage with a wide range of stakeholders typically involved in such projects.

As part of this project, students must prepare:

1) A report written, illustrated and produced jointly by the team
2) An illustrated presentation to be presented by the team to an invited audience at the Engine Shed at the conclusion of the Unit period.