



# SAC



Scottish Agricultural College

# Sustainable Building Technology



Aberdeen • Ayr • Edinburgh  
0800 269 453  
[www.sac.ac.uk/learning](http://www.sac.ac.uk/learning)





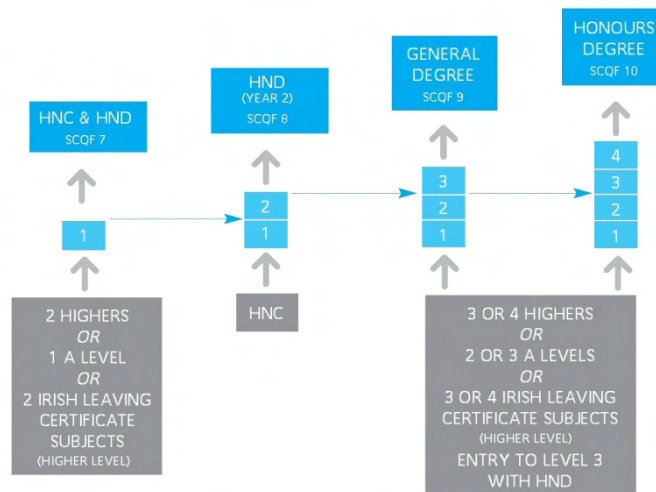
# Sustainable Building Technology: Which Courses Where?

Awards Available:	Campus		
	Aberdeen	Ayr	Edinburgh
HND Sustainable Building Technology	x	✓	x
HND Sustainable Building Technology	x	✓	x

## Qualifications to suit your needs

Our role is to help you achieve your true potential. This is why we have designed many of our courses to allow progression from one academic level to the next, with the possibility of a qualification at the end of each academic year (HNC, HND, degree, or Honours degree).

If, for some reason, you do have to leave before achieving an Honours degree, you needn't leave empty handed. Similarly, you may enrol for the HNC or HND, and as long as your performance is good enough, you can transfer to the degree course without any loss of time or repeated years.



SAC also makes provision for holders of many HNCs or HNDs from elsewhere to transfer to the second or third years, as appropriate, of a suitable HND or degree.

## Methods of delivery and assessment

This course makes full use of the SAC rural and urban settings at or near all our campuses to bring students into practical contact with the environment. Visits to relevant industry locations will regularly feature.

As with all courses at SAC a number of transferable skills are taught throughout the course. This allows us to produce confident individuals ready to apply for and fill responsible positions at the end of their period of study.



## Entry Qualifications

- **HND/HNC:** 2 Highers (CC) or 1 A-Level pass, preferably to include a Science subject.

At all levels, alternative academic qualifications and applicants with vocational qualifications or workplace-based learning will also be considered. Applicants with Access courses are strongly encouraged to apply, and mature entrants with an interest and desire in the subject are encouraged to discuss application.

## Application Details

**UCAS** Application for full-time study on HNC, HND and degree (BA/BSc) courses is through UCAS ([www.ucas.ac.uk](http://www.ucas.ac.uk)). Please consult the SAC web site or prospectus for further details.

### Codes for UCAS application are as follows:

- Institution code name: SAC
- Institution code: S01
- HNC Sustainable Building Technology 27KF HNC/SBD
- HND Sustainable Building Technology 72FK HND/SBD

## Progression Opportunities

Successful completion of the HND Sustainable Building Technology may offer progression into Year 3 of the Building Services Engineering degree at Glasgow Caledonian University.

## Contact Details:

Students wishing to study part-time or obtain specific programme advice should contact:

In Aberdeen:	In Ayr:	In Edinburgh:
N/A	<ul style="list-style-type: none"><li>• Gary Tierney</li><li>• 01292 886161</li><li>• <a href="mailto:gary.tierney@sac.ac.uk">gary.tierney@sac.ac.uk</a></li></ul>	N/A

## Open Days



2011 Open Days are as follows:

- Saturday 10<sup>th</sup> September - Open Morning (10.30am-1.30pm)
- Wednesday 12<sup>th</sup> October - Open Afternoon (1.30-4.30pm)
- Wednesday 23<sup>rd</sup> November - Open Afternoon (1.30-4.30pm)

Applicant days are held in early 2012 for those applicants holding offers.

Please book your place through our web site at [www.sac.ac.uk/opendays](http://www.sac.ac.uk/opendays)

2012 Open Days are as follows:

- Saturday 8<sup>th</sup> September - Open Morning (10.30am-1.30pm)
- Wednesday 10<sup>th</sup> October - Open Afternoon (1.30-4.30pm)
- Wednesday 21<sup>st</sup> November - Open Afternoon (1.30-4.30pm)

## Visit Us:

Open days and evenings are held regularly and we encourage those interested in this course to attend in order to speak to staff, meet students, and see the facilities. In addition, each campus hosts a taster day each year. This is your chance to be a SAC student for the day. Details are available on the web site.

For more information please contact one of the Student Recruitment Officers or book through the web site. If you are unable to attend one of the open days, please contact us so that we can make alternative arrangements for you to visit.

General information and details about open days and taster sessions are available from:

In Aberdeen:	In Ayr:	In Edinburgh:
Student Recruitment Officer SAC Aberdeen Craibstone Estate ABERDEEN AB21 9YA Tel: (01224) 711189 Email: <a href="mailto:aberdeen@sac.ac.uk">aberdeen@sac.ac.uk</a>	Student Recruitment Officer SAC Ayr, Riverside Campus University Avenue AYR KA8 0SX Tel: (01292) 886196 Email: <a href="mailto:ayr@sac.ac.uk">ayr@sac.ac.uk</a>	Student Recruitment Officer SAC Edinburgh West Mains Road EDINBURGH EH9 3JG Tel: (0131) 535 4391 Email: <a href="mailto:edinburgh@sac.ac.uk">edinburgh@sac.ac.uk</a>

[www.sac.ac.uk/learning/courses/undergraduate/sciencetechnology](http://www.sac.ac.uk/learning/courses/undergraduate/sciencetechnology)

## Career Prospects

This course will lead to employment in a wide range of building design opportunities, both in the UK and overseas. For example in:

- Architectural technology
- Building services engineering
- Services design
- Building technical services
- Project management
- Building Services consultancy
- Planning department technical support

SAC's graduate employment rate is 92%.

Successful completion of the HND may also give access to the Building Services Engineering degree of Glasgow Caledonian University.



# HNC Sustainable Building Technology

## Course Content:

- 1 year full-time
- The HNC Sustainable Building Technology also constitutes the 1<sup>st</sup> year of the HND Sustainable Building Technology

## Core Subjects:

- Graded Unit 1
- CAD 2D I
- Construction Materials and Specification
- Fundamentals of Landscape Surveying
- Mathematics for Construction Engineering
- Scottish Rural Development
- Sustainable Building Development: Structure and Fabric
- Built and Natural Environment Integration
- Building Services: An Introduction
- Chemistry and Physics for the Life Sciences
- Small Scale Rural Electrical Energy Systems
- Architectural Procedures and Design
- Environmental Awareness
- Information Technology Applications I
- Pollution and Waste Management: An Introduction

# HND Sustainable Building Technology

## Course Content:

- 2 years full-time
- Year 1 of the HND is the HNC Sustainable Building Technology

## Core Subjects:

- Graded Units 2 and 3
- Low Environmental Impact Construction
- Environmental Auditing
- Biomass: Technologies for Energy and Bio-products
- Building Services: Heating Lighting and Acoustics
- Building Services: Ventilation, Air Conditioning and Refrigeration
- Renewable Energy: Micro-generation Systems
- Sustainable Building services Engineering
- Business management: An Introduction
- Energy Performance of Buildings
- Statutory Control of Buildings

## Elective Modules (choose 4):

- Biodiversity Conservation
- Developing Personal Effectiveness
- Education for Sustainable Development: Principles and Practice
- Engineering Mathematics
- Farm Buildings and Controlled Environments
- Farm Scale Renewable Energy
- Fire Safety in Buildings
- Human Resource Management: Introduction
- Transport: Towards a Sustainable Future