



SAC



Scottish Agricultural College

Agricultural Science



Aberdeen • Ayr • Edinburgh
0800 269 453
www.sac.ac.uk/learning





Agricultural Science Course Information

Why study Agricultural Science?

In the agricultural industry, the pace of change and the pressures for change have never been greater. With radical reform of the Common Agricultural Policy and changes in the values of farm products and costs of inputs, farmers and rural businesses are seeking ways to improve their efficiency, diversify into new enterprises, introduce novel crops and meet increasingly strict food quality standards. The industry needs biosecurity measures to protect against future disease epidemics and improved systems of waste management and pollution control. Practices to protect wildlife and improve natural habitats are being adopted and there is a constant drive to raise standards of livestock welfare.

To survive this period of change and sustain the efficient production of crops, livestock and biomaterials whilst satisfying the expectations of the public, the industry needs to draw on scientific knowledge and technical expertise. This course aims to provide you with the biological understanding, scientific skills and knowledge of crop and livestock production required for you to contribute to the future success of agriculture.

SAC... a unique institution

SAC – the Scottish Agricultural College – is Scotland's specialist higher education institution for courses that relate to the existing and emerging land-based industries and pursuits, applied food, plant and animal sciences and sustainable land-use.

SAC offers courses in a wide range of subject areas, all related to how we make use of the land and environment around us: Agriculture, Science, Green Technology, Horticulture, Environment, Conservation, Business, Sport and Tourism courses are on offer at our three campuses in Aberdeen, Ayr and Edinburgh.

SAC offers HNC, HND and degree courses, and our degrees are awarded by the prestigious universities of Glasgow and Edinburgh.

In addition to its role in education, SAC has an innovative and leading research and development programme and runs an international advisory and consultancy service. This all means that as a student at SAC you are taught by a team of staff including lecturers, researchers, advisers and consultants. They will provide up-to-the-minute information and insight into the commercial world beyond the College environment. We believe no other education institution can offer this combination of expertise and experience.

The screenshot shows the SAC Learning website interface. At the top, there's a blue header with the SAC logo. Below it, a navigation menu lists various sections like 'Home', 'SAC Learning', 'About The College', 'Prospective Students', 'Courses', 'Lifelong Learning', 'Further Learning', 'Training', 'Partners & Teachers', 'News & Events', 'Course Finder', 'College For Schools', and 'Geography For Schools'. The main content area is titled 'Scotland's land-based Higher Education Institution' and includes a sub-header 'SAC offers courses that relate to the existing and emerging land-based industries and pursuits as well as applied food, plant and animal sciences, and sustainable land use'. Below this, there are several featured articles and sections: 'Courses', 'Popular Pages', 'Explore SAC', 'Explore Courses', 'Current Students', 'SAC Learning News', and 'Explore Training'. Each section contains brief descriptions and links to further information.

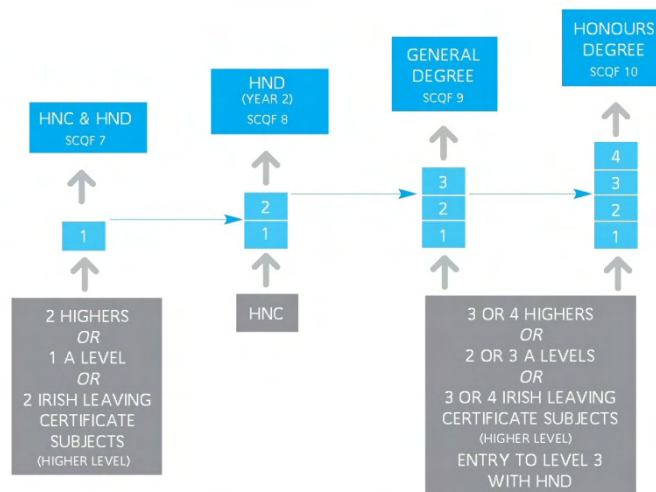
Agricultural Science at SAC: Which Courses Where?

Awards Available:	Campus		
	Aberdeen	Ayr	Edinburgh
BSc/BSc (Hons) Agricultural Science (top-up degree: entry into Year 3 only)	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.

Application Details



Application for full-time study on HNC, HND and degree (BA/BSc) courses is through UCAS (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
- BSc/BSc (Hons) Agricultural Science D700 BSc/AgrSci **Year 3 entry only**

The BSc/BSc (Hons) Agricultural Science degree is awarded by the University of Glasgow

Methods of delivery and assessment

Laboratory classes develop practical skills to complement the theoretical aspects of the course, which are delivered using a mixture of lectures, seminars, computing sessions and group discussions. The Agricultural Science programme has good links with the agricultural industry and strong emphasis is placed on industrial and farm visits to reinforce the relevance of the topics studied. Modules are assessed using a combination of coursework and written examinations.

Entry Qualifications

- **Advanced entry to Year 3 of Degree programme:** offered to those students with a related HND or foundation degree.

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">• Chris Leggate• 01292 886172• chris.leggate@sac.ac.uk	N/A

Open Days



2011 Open Days are as follows:

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

2012 Open Days are as follows:

- Saturday 8th September - Open Morning (10.30am-1.30pm)
- Wednesday 10th October - Open Afternoon (1.30-4.30pm)
- Wednesday 21st 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: aberdeen@sac.ac.uk	Student Recruitment Officer SAC Ayr, Riverside Campus University Avenue AYR KA8 0SX Tel: (01292) 886196 Email: ayr@sac.ac.uk	Student Recruitment Officer SAC Edinburgh West Mains Road EDINBURGH EH9 3JG Tel: (0131) 535 4391 Email: edinburgh@sac.ac.uk

Student Profiles

Kara Craig initially went to the University of Glasgow where she successfully completed the first year. "However, the lifestyle was not my cup of tea and I decided to take time out." She then worked as a groom for a professional polo player and travelled throughout Europe before returning to Scotland to complete her education. In October 2000, Kara enrolled with SAC and entered the second year of the degree course. Kara graduated with a First Class Honours degree in July 2003 and is now working as a Trainee Agricultural Consultant.



"The course offered a range of interesting subjects which gave insight into the scientific aspects of the relevant practical issues. I also enjoyed the trips and practical classes and found that these helped me when learning the theory. All the issues dealt with during the Agricultural Science course looked toward the sustainability of agriculture, an issue at the forefront of SAC's mission and within the political environment today. This meant that everything that we were learning was fresh and up to date."

Career Prospects

On successful completion of the awards within the programme, students are likely to gain employment in positions such as:

- Animal Health Officer
- Animal Welfare Inspector
- Crop Consultant
- Agricultural Officer
- Quality Assurance Inspector
- Crop Trials Officer
- Technical representative in companies dealing with animal health products, animal feeds, livestock/crop breeding, seeds, fertilisers and crop protection products

SAC's graduate employment rate is 92%.

BSc/BSc (Hons) Agricultural Science

Entry into Year 3 with appropriate previous study.

Year 3:

- **Core Subjects:**
- Animal Growth and Development
- Crop Products and Potential
- Experimental and Analytical Techniques
- Research Skills and Data Analysis

- **Elective Subjects (students choose 4):**
- Animal Welfare and Behaviour
- Livestock Enterprise Management
- Pharmacology in Animal Health
- Biosynthesis of Crop Products
- New Perspectives in Plant Protection
- Land and Habitat Restoration
- GIS and Remote Sensing
- Management Skills and Entrepreneurship
- The Agri-Food Industries

Year 4:

- **Core Subjects:**
- Honours Project

- **Elective Subjects (students choose 5):**
- Action for Biodiversity
- Animal Feed Technology
- Animal Breeding and Genetics
- Animal Disease and Diagnostics
- Reproduction and Developmental Biology
- Applied Livestock Technology
- Poultry Meat Production Systems
- Advanced Agronomy
- Biotechnology for Crops and Crop Products
- Plant Protection Technology
- Plant Responses to Stress
- Land Based Environmental Issues
- Soil Environment Interactions
- Sustainable Environmental Management
- Food and Agri-business Economic Policy