HARTPURY

BSc (Hons)

Agriculture with Crop Science

UCAS Code: **D402**

Typical offer: **96-112 UCAS tariff points or equivalent**

Duration: **3 or 4 years full time; part-time available**

Placement year: **Optional**

Awarding body: **Hartpury University**

Apply for this course here: https://www.hartpury.ac.uk/university/courses/undergraduate/bsc-hons-agriculture-with-crop-science/bsc-hons-agriculture-with-crop-science-2024/

OVERVIEW

Course overview

If you want to progress into an agricultural management career, helping to find solutions to the world's most pressing issue of food production and land use, then this course focusing on crop production and crop protection is ideal for you.

You don't need to have an agricultural background; you simply need the passion and drive to work within a fast-changing industry and make that difference.

You'll how to build a productive, resilient and sustainable industry - whether as a farm manager, agronomist, economist, policymaker, researcher, scientist or consultant – career opportunities are diverse.

The extensive industry experience of lecturers, an on-campus commercial farm that supplies Muller, Sainsbury's and Glencore, as well as a modern Agri-Tech Centre will prepare you to make that positive impact on the future.

You'll have access to 400 hectares of commercial farmland, offering plenty of opportunities to get hands-on. This, alongside real-world business briefs and industry placements. You'll benefit from up t ours engaging in and with the industry as part of your degree. This includes a suppo cement during the first year of study that counts as credits towards your degree me y raduate ready for employment.

WHAT YOU'LL STUDY

What you'll study

This course covers a broad range of fundamental agricultural topics through core modules. From the introductions to crop science, sustainability, agricultural technologies, economics and soil management, to agronomy, developments in crop science and the management of the supply chain with business management and sustainability embedded throughout.

Level four (year one)

Your first year will focus on introducing and developing your underpinning knowledge of crop production, soil and grassland management, sustainable production systems and economics. You'll also develop your academic, professional and transferable skills that will equip you to study at higher levels. Although the programme focuses on crop production, you'll gain an insight of how livestock production impacts on crop production. This will allow you to understand the link between the two key sectors in the industry. You'll also complete 280 hours of placement within industry to support your development.

COMPULSORY MODULES

Skills Development for Agriculture

The Skills Development for Agriculture module supports students in developing key professional, personal, academic and employment skills and competencies. This is to ensure students maximise the benefits of their degree programme and improve their employability prospects on graduation. The following areas are covered: academic skills; work placements and employability; technical agricultural competencies; research process and projects; reflective thinking.

Introduction to Sustainable Agriculture

This module aims to address key principles that impact sustainable agriculture systems and will include a short study trip.

Introduction to agricultural economics

This module provides an introduction to key economic principles that are at work within the agricultural industry and their interaction with farm businesses and farm business performance.

Introduction to Agricultural Technologies

The module offers an introduction to the varied technologies involved in current agricultural
uction and how these can contribute to environmental sustainability, increased animal
re and efficient business performance.

Soil and Grassland Management

The aim of the module is for students to become familiar with the principles and practices of soil and grassland management focussing on sustainable agricultural production objectives, but also considering ecological purposes.

Introduction to Crop Science

This module provides the student with an overview of crop production both in the United Kingdom and globally. Opportunities will be provided to see how scientific principles are applied in crop science, including; how plants grow in the field. Students will discuss how crop production is influenced by biotic and abiotic factors, how crop genetics are utilised in breeding and developing varieties and biotechnology.

OPTIONAL MODULES

None

There are no optional modules during this year. Your learning is focused on compulsory modules to ensure you have a thorough understanding of key topics to prepare you for module choices in your subsequent years.

Level five (year two)

Core modules include farm business management and agricultural policy, agronomy, vegetable and soft fruit production, forage crops, industry engagement and a research process module.

COMPULSORY MODULES

Agronomy

Students will observe crops on the college farm (and during visits) and will develop their agronomy skills and make recommendations for crop protection.

Vegetable and soft fruit production

The module will focus on the key principles of crop husbandry and crop production within field vegetable and soft fruit production.

Farm Business Management and Agricultural Policy

This module provides an introduction to the principles of business management and how they are applied to the modern agricultural business. This will enable you to plan and manage staffing, capital and resource use on the farm, and prepare effective budgets and business plans for future development of the business. In addition, it will allow you to consider the legislative and policy boundaries that the modern farmer has to work within, enabling them to understand, manage and plan within guidelines and offer consultation to others.

Research Methods for Agricultural and Animal Scientists

This module introduces you to the process of academic research, methods of research and analysis,
helping to prepare you for reading research literature and conducting research projects in the future.

Forage Crops

The module will allow students to understand the annual production cycle of sustainable forage crops and their interaction with the environment, soil, and animal health.

Industry Engagement in Agriculture

The focus of this module is to develop students' autonomy in an industry context through practice of personal, applied, and professional skills gained through a period of engagement aligned to their future career direction.

OPTIONAL MODULES

Integrated placement year (optional)

The optional integrated placement year between your second and final years gives you the opportunity to put your knowledge and skills into practice and gain valuable industry experience.

Level six (final year)

Your final year core modules allow you to focus on a research project aligned to your own area of interest, developments in crop science, agricultural social licence and one health, the supply chain and strategic management.

COMPULSORY MODULES

Animal and Agriculture Dissertation

nodule involves independent research and analysis in an animal or agriculture-related
with one

to-one support from an academic.

Supply Chain Management

In this module students will discover the mechanisms by which the agrifood supply chain takes our food supply from farm to fork. They will discuss current research and contemporary issues affecting, the agrifood supply chain which will enable them to grasp current practices and trends and consider the impact these may have on the producer. They will learn about the relationships between actors in the agrifood supply chain and how these influence the business practices currently employed. They will analyse and evaluate supply chain management practices with a focus on the drive towards sustainable supply chain management (SSCM) and the mechanisms by which this can be delivered. The module will also involve a non-assessed project that enables students to gain hands on experience within the sector. Previous projects have included the making of their own cider with a local cidermaker to be marketed by the students.

Strategic Management

This module allows students to explore the strategic practices and principles utilised by global companies. Through an appreciation key external and internal impact factors students will put theory into practice and create a new strategic direction for an allocated organisation.

Agricultural Social Licence and One Health

The module investigates the concepts of social licence and one health within the agricultural industry and their impact on all stakeholders and decision making related to sustainability.

Developments in Crop Science

The module will investigate a broad range of topics that will allow the student to gain further knowledge and understanding of the key scientific developments within sustainable crop production, crop protection and crop management and be able to critically analyse and evaluate the scientific impact of developments on all stake holders in the industry (producers, processor and consumers).

OPTIONAL MODULES

Please visit our document library for more module information.

HOW YOU'LL STUDY

How you'll study

mmitted to supporting you to fulfil your unique potential, which is why you'll receive a minimum of 15 hours of scheduled teaching time per week in your first year - this is 25% above the

UK average.

Your support network

You'll benefit from a strong support network from day one to be the best you can be. This will range from your personal tutor and specialist academic support team (our Achievement and Success Centre) to dedicated wellbeing and employability (Innovation, Careers and Enterprise) centres.

Your learning experiences

You'll experience a range of teaching methods to strengthen your digestion of topics, including lectures, workshops and practical sessions, as well as supported work placement learning as part of many courses.

Your career

Each year of your course will be made up of two semesters, within which you'll study compulsory and optional modules on different industry-focused topics, enabling you to develop your own unique portfolio of knowledge, skills and experience, ready for your career.

Further details

+ Academic support

You'll have your own personal tutor while you're here who will support you to succeed in your studies. You'll also have access to our academic and wellbeing support teams who run regular workshops and one-to-one sessions on campus and online.

Alongside this, we have a comprehensive bank of online study skills resources to help you make the most of your qualification.

+ Module credits

On successful completion of your modules you'll gain academic credit that accumulates towards your award. The marks you gain in your second and third years may contribute towards your final degree classification.

+ Teaching modes

The modules contain a mixture of scheduled learning – lectures, workshops and practical sessions. You are expected to dedicate at least two to three hours of independent study per contact hour. Your course may also include work placement learning as part of some modules.

The course is taught in English.

Year	Contact learning	Placement learning	Independent learning
our (year	24%	17%	59%

Year	Contact learning	Placement learning	Independent learning
Level five (year two)	27%	0%	73%
Placement year (optional)	1%	80%	19%
Level six (final year)	17%	0%	83%

+ Teaching contact time

The modules contain a mixture of scheduled learning – lectures, workshops and practical sessions. You are expected to dedicate at least two to three hours of independent study per contact hour. Your course may also include work placement learning as part of some modules.

+ Assessment and feedback

You will be assessed through a mixture of written exams, practical exams and written assignments. Many of the modules will be marked based on a mixture of assessment types, whilst others will be based solely on one type of assessment. Feedback will be given via a mixture of written bullet point-style feedback and/or oral feedback.

Year	Written examination	Coursework	Practical examination
Level four (year one)	13%	50%	37%
Level five (year two)	23%	38%	39%
Placement year (optional)	0%	100%	0%
Year six (final year)	0%	55%	45%

+ Timetables

Each year of this course is taught over two semesters, normally consisting of 12 weeks of scheduled teaching and then assessment weeks, with an overview below:

eduled teaching takes place between 8:30 to 20:30 Monday to Friday
Inesday afternoons are normally reserved for sports and cultural activities
ork placements may entail different days and hours

- Part-time students may need to attend learning activities five days each week, depending on modules selected
- Timetables are available during enrolment week

View term dates

EMPLOYABILITY

Your career

Industry opportunities on this course are diverse, to ensure you develop the skills, experience and connections needed for your graduate career. Many of our students get their graduate roles with their work placement employers.

Work placements and experience

These form part of core modules, alongside an optional integrated placement year. We'll support you to find a placement within a sector of the industry to match your interests and career goals. Placements can be paid or unpaid, depending on position. Students have worked with organisations such as the ADAS, Woodheads, Foyles as well as on a range of commercial farms and enterprises.

FACILITIES

World-class facilities

You'll have access to a diverse range of facilities while you're here, many of which are newly built and world-class. Alongside lecture halls and workshop spaces, these include:

400-hectare commercial farm

The commercial farm consists of mixed farming enterprises including a dairy herd, sheep flock, beef rearing and finishing and arable production. You'll able to apply your knowledge into practice during practical sessions on the farm and have access to farm data for a range of modules.

Agri-Tech Centre

Our on campus Agri-Tech Centre is a joint project with the Gloucestershire Local Enterprise Partnership (GFirst LEP). The centre connects the livestock farming community with smart technologies to help drive forward productivity and sustainability. You'll have opportunities to engage with tech companies, industry and research through the centre.

Laboratories

Our laboratories are modern and well-equipped, providing the ideal spaces for scientific activities and research. Some are used for specialist microbiological culturing and analysis, others for biochemistry and physiology.

Study spaces

Our University Learning Centre has books, journals, ebooks, computers and breakout study spaces. In addition, we have a Study Lounge – an informal space with sports equipment, study booths and chill-out spaces to support both studying and relaxation.

ENTRY REQUIREMENTS

Entry requirements

- **UCAS** | A typical offer for this course is 96-112 UCAS tariff points or equivalent.
- **GCSE** | A minimum of 5 GCSE A* to C, (or 9 to 4 where numeric grades are being awarded) or equivalent, to include English Language and Mathematics.
- **A-Level** | Typical offer is CCC-BBC or equivalent. This must include a minimum of two A Levels.
- **Vocational Award** | Typical offer is MMM-DMM in an Extended Diploma or equivalent in a relevant subject.
- **Access** | Typical offer is 96-112 UCAS tariff points in an Access to Higher Education Diploma.
- **IB** | Typical offer is 96-112 UCAS tariff points in an IB Diploma, to include a minimum of two Highers at H3 or above.
  This must also include Maths and English Language at a minimum of Standard Level S3 if equivalent GCSEs have not been obtained.
- **Scottish Highers** | Typical offer is 96-112 UCAS tariff points in Scottish Highers. This must include a minimum of one Advanced Higher and one Higher.

- **Irish leaving Certificate** | Typical offer is 96-112 UCAS tariff points in the Irish Leaving Certificate. This must include a minimum of two Highers. This must also include Maths and English Language at a minimum of Ordinary Level.
- **OCR Cambridge Technical** | Typical offer is a MMM-DMM in a Cambridge Technical Extended Diploma or equivalent in a relevant subject.
- **T Level** | Typical offer is Pass (C or above on the core) in your T Level overall grade in a relevant subject.
- **Other** | Some evidence of practical experience in agriculture or similar land based studies is desirable.
- Some evidence of practical experience in agriculture or similar land based studies is desirable.
- We may interview mature applicants and those with non-traditional qualifications to ensure this is the right course for you.
- The minimum academic entry requirement for this programme is 72 UCAS tariff or equivalent providing this is combined with relevant experience.
- Please contact us for further information:

Email us ▸

FEES AND FUNDING

Tuition fees and financial support

Please visit our student finance page for information on tuition fees and student loans, as well as non-repayable grants, bursaries and scholarships, eligible to different groups, to support with study costs.

Skills Development Bursary

Agriculture students have access to a skills development bursary (£1,000 per student) to support with developing a range of practical and vocational skills during their programme of study.

Explore student finance ▸

Below, you'll find extra costs associated with studying this course.

and footwear (circa £100)

You'll need to purchase appropriate clothing and footwear before you enrol, or during enrolment week. We'll let you know exactly what you need to purchase in your enrolment guide – everything is available from our supplier's online shop for approximately £100.

Visit Hartpury shop

Optional field trips

Students are encouraged to engage in various trips and visits as part of the programme. While many of these are included in the course fees, there is the opportunity to engage in additional study tours with additional costs involved. In year one the sustainable agriculture field trip will cost in the region of £40 per student.

Short Courses

Hartpury also subsidises optional short courses for a reduced cost that allows students to gain relevant experience and qualifications prior to graduation. Short courses include PA1, PA2, PA6, All Terrain Vehicle training, chainsaw maintenance and basic operations and Telescopic Handler (RTTLT Loadall).

Performance Sports Academy membership

Find out costs and details for joining one of our performance Sports Academy teams.

Hartpury gym

Find out about costs and details for joining the Hartpury gym.

Accommodation and living costs

Please visit our accommodation page.

Explore accommodation

Top 10

We're in the top 10 UK universities for teaching quality (The Times and Sunday Times Good University Guide, 2023)

Top 10%

We're in the top 10% of UK providers for student satisfaction (NSS, 2020)

100%

100% of our agriculture graduates are in employment, further study or other purposeful activity

(Graduate Outcomes,

HOW TO APPLY

You can apply for the BSc (Hons) Agriculture with Crop Science degree via UCAS.

FURTHER COURSE DETAILS

For further details about this course, including the programme specification and module descriptions, please visit our document library.

Important information

Every effort has been made to ensure the accuracy of our published course information, however our programmes are reviewed and developed regularly. Changes or cancellation of courses may be necessary to ensure alignment with emerging employment areas, to comply with accrediting body requirements, revisions to subject benchmark statements or as a result of student feedback. We reserve the right to make necessary changes and will notify all offer-holders of changes as and when they occur.

*Reflects activities after 15 months for those who graduated in 2020.

CONTACT US

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- https://www.facebook.com/hartpury

- https://twitter.com/hartpury

- https://www.instagram.com/hartpury

- https://www.linkedin.com/school/hartpury/

- https://www.youtube.com/c/HartpuryUniversityandHartpuryCollege