

Our world: Your element

At Harper Adams you can truly be in your element; being happy, making friends and studying the subjects you enjoy in a supportive environment with a strong focus on academic excellence, science, professional practice, innovation, applied research and job skills.



In his element

Agricultural Engineering student, Joe Allin, and Dr Ianto Guy, with the Weasel, a remote controlled vehicle developed by Harper Adams, which can be driven outside of the controller's sight and will eventually be used commercially for bomb disposal and remote drive of military vehicles. Joe is one of a number of students who has helped to develop the system. There are many science and research projects that Harper Adams students can play a valuable role in.



> Find out more: harper.ac.uk/joeallin

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“This is not your typical university experience, but in its field – no pun intended – it is pretty hard to beat.”

**Times and Sunday Times
Good University Guide 2016**

Welcome

Welcome to Harper Adams University, the UK's leading university for the agri-food chain and rural sectors. Founded in 1901, we have a long reputation for excellence and innovation, offering state-of-the-art facilities and specialist courses in agriculture, agri-business, animals, engineering, food, rural and land-based studies.

The university is renowned for excellent graduate employment and our highly applied degrees are underpinned by research and our links with industry. Every degree course includes an invaluable placement year working in your chosen field.

The world needs new talent, innovation and ground-breaking research to tackle food security, the creation of renewable energy and the management of natural

resources. Harper Adams plays a vital role in meeting these challenges by producing highly skilled graduates who will help the rural sector, its businesses and its communities to flourish.

Our students are also amongst the happiest in the UK† – visit us on one of our open events and find out why.

➤ harper.ac.uk/events



Open days 2016

Sunday 10 July
Tuesday 20 September
Sunday 16 October
Sunday 20 November

Harper Adams Experience

10-11 July

†National Student Survey 2015



“We have been to Harper Adams many, many times and it’s always a great crowd.”

Scott Mills, Radio 1

Scott broadcast his show live from Harper Adams' Students Union (pictured) with special guest Ed Sheeran.

➤ harper.ac.uk/scott

WELCOME



First for student support[^]

#1

In the top dozen universities for sport[™]

12

A high 93 per cent satisfaction score in the National Student Survey 2015

93%

115 years of delivering high quality land-based higher education

115

All research conducted by Harper Adams is of international quality and more than 50 per cent is either world leading or internationally excellent[®]

100%

Outstanding career opportunities with more than 96 per cent of graduates employed or in further study six months after graduating[^]

96

We work with more than 700 businesses to deliver, develop and drive forward higher skills

700

One of the top six universities of the year^{*}

6

In the top three universities for job prospects, accommodation, courses and lecturers, facilities, clubs and societies [^]

3

The percentage of undergraduate programmes accredited by professional bodies such as RICS

46%

The UK's fourth most welcoming university^{\$}

4

We are the leading university in the country for rural and land-based higher education

#1

Winner of Outstanding International Strategy[†]

#1

More than £20m invested in the campus in the last decade

20

Voted second best uni of the year 2015[^]

2

* Times Higher Education Awards 2015

† THE Leadership and Management Awards

^ WhatUni Awards 2015

% Which? University 2014

\$ YouthSight 2014

Ω HESA, 2015

∅ Research Excellence Framework, 2014



In her element

Jess Kelly (left) is a final year Bioveterinary Science student taking part in research sponsored by Alltech, looking at marine algae as a supplement for dairy cows. The cows are fed four different diets over four periods, a control diet containing no marine algae, and diets with low, medium and high levels of marine algae. Jess's research takes place on the university's on-campus farm and in the laboratories, where she analyses blood samples to see if the supplement has an effect on their levels of blood metabolites (part of a wider study being carried out by PhD student Bethan Till, right).





Courses A-Z

Title	Award	UCAS code	Duration (years)	Page
Advanced Veterinary Nursing	Dip AVN	*	PT: Flexible	81
Agriculture	BSc/FdSc	D400/D405	4/3	18
Agriculture with Animal Science	BSc	D4D3	4	20
Agriculture with Crop Management	BSc	D410	4	21
Agriculture with Farm Business Management	BSc	D498	4	22
Agricultural Engineering	MEng/BEng	H335/H330	5/4	54
Agricultural Engineering with Marketing and Management	BSc	H3N2	4	55
Agriculture with Mechanisation	BSc/FdSc	D492/D493	4/3	23
Agri-business	BSc/FdSc	DN41/DN4C	4/3	38
Agri-food Marketing with Business	BSc/FdSc	DN45/D6N1	4/3	39
Animal Behaviour and Welfare (Clinical Animal Behaviour)	BSc	D390	4	29
Animal Health and Welfare	BSc	D730	4	30
Animal Management and Welfare	FdSc	D392	3	31
Animal Production Science	MSci/BSc	tbc/D301	5/4	27
Automotive Engineering (Off Highway)	MEng/BEng	H337/H336	5/4	51
Bioveterinary Science	MSci/BSc	tbc/D300	5/4	28
Business Management with Marketing	BSc/FdSc	N2NM/N2N5	4/3	37
Countryside and Environmental Management	BSc	D462	4	44
Countryside Management	BSc/FdSc	D4N9/D4NX	4/3	43
Food Business Innovation and Entrepreneurship	BSc	D600	4	62
Food Manufacture with Marketing	BSc	D640	4	59
Food and Public Health Nutrition	BSc	D6B4	4	64
Food Sustainability Management	BSc	See ucas.com	4	65
Food Technology with Nutrition	BSc	DB64	4	60
Food Technology and Product Development	BSc	D633	4	63
Geography and Environmental Management	BSc	F8D4	4	68
Mechanical Engineering	MEng/BEng	H301/H300	5/4	50
Rural Enterprise and Land Management (REALM)	BSc	DNK2	4	74
Rural Property Management	BSc	D440	4	75
Veterinary Nursing	BSc	tbc	3.5/4	79
Veterinary Nursing with Advanced Standing	BSc	*	PT: Up to 5	80
Veterinary Nursing with Companion Animal Behaviour	BSc	tbc	3.5/4	79
Veterinary Nursing with Rehabilitation Therapy	BSc	tbc	3.5/4	79
Veterinary Physiotherapy	BSc	D31A	4	85
Wildlife Conservation	BSc	CD14	4	45

*Apply directly to Harper Adams PT – part-time

Agriculture

Ag

Sc

Bu

Em

Cm

Agriculture applies **science** and technology to feed the world

Business management and marketing skills for the sustainable development of farm and rural businesses

This diverse sector offers a wide range of **employment** opportunities in the UK and globally

Course Manager:
Dr Russell Readman
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harper.ac.uk/readman

Modern agriculture

In the UK 70 per cent of our land area is used for agriculture and 12.5 per cent of the population is actively involved in food production from farm to fork. Agriculture can be defined as the principle and practice of primary food production and alternative crops in a sustainable manner.

Modern agriculture is a diverse and highly advanced technological industry. With the changing emphasis on land use and issues such as security of food supply, reconnecting the food chain, protecting the environment, sustainability and biofuels, agriculture is once again at the forefront of the political agenda, and the long term outlook for the industry is buoyant.

Who studies agriculture?

Harper Adams has around 600 students studying agriculture either alone or with another related subject. Agriculture is one of the largest subject areas here and accounts for around a third of our students. Agriculture students – or 'agrics' as they like to be known – aren't just farmers' sons and daughters. They come from many different locations and backgrounds, both urban and rural, and their reasons for studying agriculture are as diverse as their career plans. The one trait they generally share is a love for the outdoors, a determination to enjoy their university life to the full, and to earn a highly regarded qualification that gives them a head start in an exciting industry.

Agriculture staff

Agriculture is multi-disciplinary and involves a wide range of academic staff, technicians and visiting lecturers from the different departments of Crop and Environment Science; Food Science and Agrifood Supply Chain Management; Land, Farm and Agri-business Management; and Animal Production, Welfare and Veterinary Science.

Staff have strong industry links, either through joint research and trials with farming and farm supply companies or through teaching the short professional courses Harper Adams offers to advisors, including AMTRA, BASIS and FACTS. Industry research partners include EBLEX, HGCA, HDC, DairyCo, Danisco, Agrii, Syngenta and CLAAS. Staff research is also funded by government departments and agencies including Defra, FSA, and Innovate UK. Undergraduate teaching is underpinned by a range of staff expertise, and the project work that you will undertake is highly relevant to current farming issues and problems.



Careers

This large and dynamic industry offers a tremendous range of career opportunities. Within the agricultural industry Harper Adams has an excellent reputation for producing top quality applied graduates. Our agriculture students are highly sought after as they have the skills employers need, including technical knowledge, a hands-on approach and good practical and interpersonal skills. Harper Adams graduates are known widely as confident team players with a can-do attitude. This is due to the placement period, the application of theory into practice through case studies involving real world situations, the close association we have with industry, commercially sponsored projects, visiting speakers and visits to other businesses and enterprises.

A high quality qualification in agriculture or one of the specialisms will equip you for a range of career opportunities either in practical farming or in one of the ancillary industries.

Salaries for agriculture graduates are generally good, with the typical starting salary around £20,000 per annum.

There are often additional benefits associated with many jobs such as free/reduced cost accommodation and vehicles. Some graduates choose to use their skills initially in more practical roles to gain further experience before moving into a managerial position.

Teaching and assessment

Teaching includes a combination of lectures, tutorials and laboratory sessions, together with practical classes on the University Farm designed to demonstrate principles in practice and the application of scientific, technological and business principles to commercial agricultural and food production. We have extensive links with other agricultural and food-related businesses, and external visits and guest speakers are an important part of the courses. Students are expected to apply the skills they are taught to solve real-life problems, producing a combination of abilities highly valued by employers. The proportion of independent study increases as the course progresses, particularly in the final year where students have the opportunity to undertake a dissertation in a subject area of their choice.

You will be assessed through course work and exams. Assignments include written reports, essays, technical notes, presentations and oral examinations. Students receive written feedback on all course work to help them improve. In addition, first year students undertake examinations in two subjects at the end of the first term to gauge how they are progressing and feedback is provided. Staff are happy to provide advice and guidance on revision, and many modules include revision sessions.

Placement

The BSc and FdSc Agriculture courses at Harper Adams incorporate a 12-month placement period of paid work in the second year (FdSc) or third year (BSc) of the course.

A Placement Manager will help you to choose a placement to reflect your interests and career aspirations. A number of companies offer scholarship opportunities linked to placement, paying a contribution towards your tuition fees.

Students are usually expected to undertake placement outside of their home area and are not able to work for previous employers or family members. Placements may be taken overseas where possible, through an approved agent.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information
on **Agriculture courses**
scan the QR code*

Agriculture

BSc (Hons) / FdSc

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D400

Duration: Four years

Modules:

harper.ac.uk/17ag-bsc



FdSc:

UCAS code: D405

Duration: Three years

Modules:

harper.ac.uk/17ag-fdsc



Typical entry requirements: p148

Top-up available:

UCAS code: See ucas.com

With an appropriate foundation degree or HND you may be eligible to upgrade your qualification to a full degree in Agriculture. You may choose to top-up to BSc/BSc (Hons) Agriculture, with or without any of the specialist routes, depending on the modules you have studied previously (e.g. to top-up to Agriculture with Animal Science

you must have completed a certain number of animal-related modules).

harper.ac.uk/17ag-topup

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

With around 70 per cent of land in the UK devoted to primary food production, agriculture continues to be the mainstay of the rural economy. However, in addition to the science and technology associated with animal and crop production, the modern farm manager must manage an increasingly diversified business and embrace a range of responsibilities for enhancing the environment, integrating production within the food chain and maintaining rural communities. Our agriculture courses give students a thorough understanding of modern agricultural production systems and the underlying scientific and technological principles. They will equip you to manage a sustainable agricultural business in the complex and dynamic rural economy. This is a very broad and challenging remit, and consequently the course is designed to develop a breadth of expertise across a range of sectors. All agriculture students share a common first year, studying the same modules, before continuing with agriculture or focusing on a specialism; this allows students to change course during the first year.

What you study

Students studying general Agriculture study a broad range of livestock, crop production and science, and business management, together with some marketing and mechanisation. In the first part of the course the focus is on practice i.e. what goes on on-farm, and basic biological and environmental science. Areas of study include

animal and crop production systems, bioscience and environmental science for agriculture, an introduction to farm business management and marketing, and agricultural mechanisation.

The later parts of the course focus on the applied scientific and business principles that underpin farm practice, and the application of practice and principles to case studies to solve real problems. Areas of study include farm animal production science and nutrition, farm animal health and welfare, soil management and crop nutrition, crop protection, farm business management and economics, business development, people management, and sustainable animal and crop production systems. All students undertake a research or professional project in their final year in a subject area of interest to them.

Full details of modules can be found here:

harper.ac.uk/17ag-bsc

harper.ac.uk/17ag-fdsc

FACTS training

Subject to academic performance, students passing the BSc (Hons) Agriculture programme will be eligible to be entered for free FACTS training at the end of their course.

harper.ac.uk/sc-facts

Work placement

BSc students undertake placement in their third year, and FdSc students in their second year. You will usually undertake paid employment for at least 12 months on modern progressive farms or in the

agricultural support industries. Recent placement jobs have included Assistant Herds Person, Harvest Team Manager and General Machinery Operator on a range of arable and mixed farms. Examples of employers include Velcourt, MH Poskitt and Faccenda. Students may undertake their industrial placement overseas in the USA, France, Australia or New Zealand, for example. Several commercial scholarship opportunities, linked to placement, are available to apply for, with sponsoring companies paying a significant amount towards the tuition fees of successful applicants.

Careers

Employability of agriculture graduates is excellent, and there are many diverse career opportunities in all sectors of the food chain. The applied nature of our courses, teaching methods and close links with industry give you the academic, technical and employment skills which are highly sought after by employers.

As an agriculture graduate you may go on to manage farms either at home or elsewhere (e.g. Co-operative Farms, Velcourt, Sentry Farming, Beeswax Farming, Intercrop). Alternatively, you may opt for a career in the support industries (e.g. Frontier Agriculture, NFU) or advisory services (e.g. Defra, DARDNI, ADAS). Studying agriculture also develops the skills needed for other graduate careers such as accountancy, teaching, journalism and the civil service.



Agriculture with Animal Science

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D4D3

Duration: Four years

Modules:

harper.ac.uk/17agag



Typical entry requirements: p148

Top-up available:

UCAS code: See ucas.com

If you have an appropriate foundation degree or HND you may be eligible to upgrade your qualification to achieve a full degree in Agriculture. You may choose to top-up to BSc/BSc (Hons) Agriculture, with or without any of the specialist routes, depending on the modules you have studied previously (e.g. to

top-up to Agriculture with Animal Science you must have completed a certain number of animal-related modules).

harper.ac.uk/17agag-topup

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

The temperate climate of the UK is ideally suited to pastoral farming and animal production is essential to the rural economy, with around 60 per cent of UK agricultural output derived from the livestock sector. In addition to the science and technology associated with modern animal production, livestock specialists need to understand the animal welfare, food quality and environmental issues facing the industry. They must also be able to evaluate and apply advances in biotechnology to ensure a sustainable future for livestock farmers and a competitive market for animal products. Harper Adams has a long history in applied livestock research, close links with industry, and highly qualified and experienced staff.

What you study

All agriculture students share a common first year, studying the same modules, before focusing on their specialism; this allows students to change course during the first year.

The first year of the course provides a general introduction to agriculture in terms of animal and crop production, underpinning biological and environmental science, an introduction to farm business management and marketing, and agricultural mechanisation. In the second year of the course you start to specialise in the area of animal science, studying areas such as animal production science, farm animal nutrition, farm animal health and welfare, and biotechnology, whilst continuing to study more general aspects of agriculture

such as grass and forage production, waste management and farm business management and economics. In the final part of the course your specialisation becomes complete and the focus is on animal science, studying areas such as sustainable animal production systems, advances in animal science, animal breeding and bioethics, animal product processing and a research project focused on animal science.

Full details of modules can be found here: harper.ac.uk/17agag

Work placement

The year-long placement period, in your third year, may be undertaken on either a progressive livestock farm in the UK or abroad or within the animal health, breeding or feed industries in the UK. Examples of employers include Dalehead Foods, Advanced Ruminant Nutrition, For Farmers, Holstein UK and Daylesford Organics.

Several commercial scholarship opportunities linked to placement are available to apply for with sponsoring companies paying a significant amount towards the course fees of successful applicants.

Careers

The applied nature of this course helps you to develop skills that are in demand within the livestock sector and ancillary industries. Career opportunities are excellent, with students finding employment both on home farms and as livestock enterprise and farm managers. Commercial and technical opportunities are also available, or you could go on to postgraduate study.



“Coming to Harper Adams is the best decision I ever made. I couldn’t imagine ever going to a different university as it feels right here.”

Isabella Danks

Agriculture with Crop Management

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D410

Duration: Four years

Modules:

harper.ac.uk/17agcm



Typical entry requirements: p148

Top-up available:

UCAS code: See ucas.com

If you have an appropriate foundation degree or HND you may be eligible to upgrade your qualification to achieve a full degree in Agriculture. You may choose to top-up to BSc/BSc (Hons) Agriculture, with or without any of the specialist routes, depending on the modules you have studied previously (e.g. to

top-up to Agriculture with Crop Management you must have completed a certain number of crop-related modules).

harper.ac.uk/17agcm-topup

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

Efficient crop production remains the key to sustained and effective use of the rural resource.

However, over recent years crop management systems have undergone considerable change. The emphasis has shifted away from purely commercial objectives, and modern crop managers must increasingly justify inputs and assess the impact of their activities on the environment.

These new demands are complex and require highly skilled and knowledgeable individuals to manage them successfully. Modern techniques and production methods are combined in the concept of integrated crop management to develop environmentally sustainable systems of crop production.

Harper Adams has extensive academic and industry experience and is actively involved in applied crop research and consultancy, including the delivery of professional training to industry. This ensures that courses are vocationally relevant and up-to-date.

What you study

All agriculture students share a common first year, studying the same modules; this allows students to change course during the first year.

The first year of the course provides a general introduction to agriculture in terms of animal and crop production, underpinning biological and environmental science, an introduction to farm business management and marketing, and agricultural

mechanisation. In the second year of the course you start to specialise in the area of agronomy and crop management, studying areas such as soil management and crop nutrition, crop protection, crop physiology and fresh produce production, whilst continuing to study more general aspects of agriculture such as grass and forage production, waste management, and farm business management and economics. In the final part of the course your specialisation becomes complete and the focus is on crop management, studying areas such as sustainable crop production, advances in agronomy, crop breeding, post-harvest technology and a research project focused on crop management.

Full details of modules can be found here: harper.ac.uk/17agcm

FACTS and BASIS training

Subject to academic performance, students passing this degree will be eligible to be entered for free FACTS and BASIS training at the end of their course.

Full details of core and optional modules can be found here:

harper.ac.uk/sc-crops

Work placement

In your third year you will enjoy at least 12 months of paid employment in a sector of agriculture or the ancillary industries, depending on your individual interests and skills. Placements may involve working for large integrated arable or fresh produce businesses, a crop processor, packer and distributor, or as a field trials officer for one of the major crop protection companies. Recent placement

employers include Hutchinsons, Syngenta, Agrovista, KWS, and BASF. Several commercial scholarship opportunities, linked to placement, are available to apply for with sponsoring companies paying a significant amount towards the tuition fees of successful applicants.

Careers

The applied nature of the course and practical experience gained during the placement period will give you skills the industry needs. You could choose from a variety of careers, working for a multi-national company or small rural business as an agronomist, technical representative or trainee arable manager, amongst others.

Agriculture with Farm Business Management

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D498

Duration: Four years

Modules:

harper.ac.uk/17agfbm



Typical entry requirements: p148

Top-up available:

UCAS code: See ucas.com

If you have an appropriate foundation degree or HND you may be eligible to upgrade your qualification, to achieve a full degree in Agriculture. You may choose to top-up to BSc/BSc (Hons) Agriculture, with or without any of the specialist routes, depending on the modules you have studied previously (e.g. to top-up to

Agriculture with Farm Business Management you must have completed a certain number of farm business-related modules). harper.ac.uk/17agfbm-topup

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable. harper.ac.uk/money

The course

The agricultural industry is changing rapidly and in recent years advances in technology have led to an abundance of food production in the western world. This, together with changes in the support mechanisms for agriculture, has affected farm incomes, the countryside, rural communities and the public purse.

Increasingly farmers are looking to diversify their businesses and find alternative uses for rural land. There is an increasing demand for highly skilled practitioners with an understanding of the options available and the business management skills to lead on these developments.

What you study

All agriculture students share a common first year, studying the same modules; this allows students to change course during the first year. The first year of the course provides a general introduction to agriculture in terms of animal and crop production, underpinning biological and environmental science, an introduction to farm business management and marketing, and agricultural mechanisation. In the second year of the course you start to specialise in the area of farm business management, studying areas such as farm business management and economics, farm business operation and planning, and market and supply chain considerations, whilst continuing to study more general aspects of agriculture such as animal and crop production science, grass and forage

production, and waste management. In the final year of the course the specialisation in farm business management continues, studying areas such as farm business planning and strategy, business diversification, people management and a research project focused on farm business management. In the final year you continue to study crop and animal production alongside farm business modules.

Full details of modules can be found here: harper.ac.uk/17agfbm

Work placement

You will undertake placement in your third year. Placement may be undertaken in a large integrated farm business or with a farm business consultancy company. For example, placements have included work as a trainee accountant specializing in agricultural businesses with a chartered accountancy practice, and a placement with the farm business consultancy division of Bidwells. Harper Adams' excellent graduate employment record shows how employers value the skills, contacts, knowledge and confidence students develop during placement.

Careers

This course provides consultants and business managers of the future with the diverse skills required for a career in farm business management. It is likely to be particularly attractive to students who wish to pursue a career in agricultural consultancy work (e.g. with Wilson Wraight, The Farm Consultancy Group or Harvey Hughes) where an appreciation of

business management techniques and the wider rural environment is important. It will also be of value to those who wish to manage farm businesses or estates.

Agriculture with Mechanisation

BSc (Hons) / FdSc

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D492

Duration: Four years

Modules:

harper.ac.uk/17agm-bsc



FdSc:

UCAS code: D493

Duration: Three years

Modules:

harper.ac.uk/17agm-fdsc



Typical entry requirements: p148

Top-up available:

UCAS code: See ucas.com

If you have an appropriate foundation degree or HND you may be eligible to upgrade your qualification to a BSc/ BSc (Hons) degree in Agriculture, or Agriculture with Mechanisation through our top-up course.

To top up to BSc / BSc (Hons) Agriculture with Mechanisation

you must have studied FdSc Agriculture with Mechanisation. harper.ac.uk/17agm-topup

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable. harper.ac.uk/money

The courses

As farms become larger and agricultural production systems more efficient they become increasingly mechanised. The industry needs highly skilled graduates who understand how agricultural machines and mechanised systems operate, and how machinery should be effectively managed on farms and within contracting businesses. These courses provide students with a thorough grounding in agriculture and mechanisation.

What you study

All agriculture students share a common first year, studying the same modules; this allows students to change course during the first year.

The first part of the course provides a general introduction to agriculture in terms of animal and crop production, underpinning biological and environmental science, an introduction to farm business management and marketing, and agricultural mechanisation. In the second part of the course you start to specialise in the area of mechanisation studying areas such as farm machinery technology, hydraulics and electrics, and mechanisation aspects of soils and farm infrastructure. The mechanisation aspects are studied alongside more general aspects of agriculture such as waste management, crop production and science, and farm business management. In the final year of the BSc course the specialisation is developed further, studying areas such as machinery technology and information systems, measurement

and control systems, applied mechanisation projects in association with industry, and a research project with a mechanisation focus. In the final year of the BSc course students study mechanisation modules alongside crop production and crop protection modules.

The principles of mechanisation are developed in an applied way without the use of complex mathematics.

Full details of modules can be found here:

harper.ac.uk/17agm-bsc

harper.ac.uk/17agm-fdsc

Work placement

BSc students undertake placement in their third year and FdSc students in their second year. You will enjoy a year of paid employment in a business related to your career aspirations and experience. Recent placement employers have included machinery dealerships or manufacturers such as Kuhn, John Deere (both in the UK and their European HQ in Mannheim, Germany), Claas, CNH and Agco, in roles as machinery demonstrators, dealer technicians, machinery testing or sales. Several commercial scholarship opportunities, linked to placement, are available to apply for with sponsoring companies paying a significant amount towards the tuition fees of successful applicants.

Careers

The skills you will develop will be useful throughout the industry, whether managing large, highly mechanised farms, running a

successful contracting business or working in the agricultural machinery sector. Harper Adams graduates have a long history of successfully finding employment within all of these areas of work.

Animal Studies

An

The **animals** industry is growing and offers a wide range of interesting careers

Sc

The **science** elements of these courses are highly applied and related to real life situations

Fa

Facilities for studying animals include our on-campus farm, Companion Animal House, laboratories and Veterinary Services Centre

Cm

Course Manager:
Stephen Baugh
sbaugh@harper-adams.ac.uk
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harper.ac.uk/sbaugh

Ad

Admissions:
admissions@harper-adams.ac.uk
+44 (0)1952 815000
harper.ac.uk/animals

Who studies animals?

If you enjoy being with animals, whether they are pets, livestock or more exotic species, care about their health and welfare and want to know why they behave as they do, we have a course for you.

Do I need experience of working with animals?

Yes. As these courses are vocational you will need some practical experience preferably with both large animals (farm livestock or horses) and companion (pet) animals. It is also an advantage if you have worked with animals as a group (on a farm or in stables/kennels, for instance) as well as individual animals such as your own pets, or in a veterinary surgery. Obviously we don't expect you to have worked with every species, but the more experience you have acquired by the start of the course, the more meaningful the lectures will be and the more you will get out of your studies.

Careers

Harper Adams students with animal-related qualifications have the skills employers want, such as good technical knowledge, a can-do attitude, experience gained during placement, confidence and good interpersonal skills. The industry is growing and potential employers include zoos, local authorities, wildlife parks, the retail pet industry, welfare organisations, and nutritional and pharmaceutical companies. Possible careers would include animal health and welfare officers, researchers, farm animal welfare assessors, zoo keepers, animal research technicians, animal health officers, welfare advisors, or nutritional development.

Animal Studies staff

The animals department is staffed by veterinary surgeons, veterinary nurses, and a number of animal scientists specialising in physiology, nutrition, behaviour, welfare and molecular biology. They are well supported by laboratory and farm-based technical staff with a wide range of experience and hands-on skills. Your lecturers have a wealth of industrial and academic knowledge and are skilled at presenting the material in interesting and memorable ways.



Don't be scared of science

Students sometimes worry that animal-related courses are "too scientific" and fear that science is too difficult or boring. However, most find they enjoy the scientific side of things once they begin their course because it is all related to the subject they are passionate about: animals.

Some courses contain more science than others, but you will find that the modules that relate to animal science are very applied, and related to real life situations, so that you can see the relevance of the scientific principles underpinning the theory.

Teaching and assessment

Lectures are complimented by tutorials, visits and practical classes. Depending on the module practical sessions may take the form of laboratory work, animal handling in the Companion Animal House or on the farm, or behaviour/ welfare assessments. You will be assessed through a variety of methods, including exams, assignments, practical spot-tests and presentations.

Assignments include written reports, essays, technical notes, presentations and oral examinations. Students receive written feedback on all course work to help them improve. Staff are happy to provide advice and guidance on revision, and many modules include revision sessions.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information on
Animal Studies courses
scan the QR code*

Animal Production Science

MSci / BSc (Hons)

*Subject to validation

An

Fact File

BSc (Hons):

UCAS code: D301

Duration: Four years

Modules:

harper.ac.uk/17aps



MSci:

UCAS code: See ucas.com

Duration: Five years

Modules:

harper.ac.uk/17aps-msci



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

This four-year course aims to provide students with an understanding of recent developments in animal science, the underlying scientific principles, and how these can be applied to animal production systems.

This is a strongly science-based course, combining the study of pure and applied sciences as they relate to farm animals. It is ideal for those who enjoy studying science and how scientific principles can be used to prevent disease and improve the health and welfare of farm animals, and who want to learn more about the biology of farm animals and how food animals are produced on farms.

There is a good proportion of laboratory work, although not 'animal experimentation' in its sensationalist form. The course also includes some study of how modern technologies can be used to maintain and improve health.

Integrated Masters option

A five-year undergraduate Masters degree-level course geared towards those who wish to develop their animal science related skills to an advanced level with a focus on a research career. Your final year will include a major research project which will commonly be sponsored by an industrial partner.

Details of modules can be found here: harper.ac.uk/17aps-msci

What you study

The degree will give you a good understanding of how animals' bodies work, what is needed to maintain health and what happens in the case of disease.

The degree is a farm animal-based course but some core modules consider other species. There are also opportunities to choose some modules which relate to business and companion animals. This allows you to specialise or gives you the flexibility to study over a wide area. An Honours Research Project in your final year gives you the opportunity to conduct research into an area in which you are particularly interested.

Full details of modules can be found here: harper.ac.uk/17aps

Work placement

Placement is an important part of the course, giving you the opportunity to put theory into practice. In the past students have worked for ancillary industries such as animal feed manufacturers, research organisations, quality assurance companies, and animal health companies, as well as livestock enterprises. This period is supervised by Harper Adams and we will help you to find a placement that suits your career ambitions. The skills, contacts, confidence and knowledge students develop during the placement year are highly valued by employers.

Careers

There are a wide range of career opportunities available to Animal Production Science graduates in animal nutrition, animal health, advisory roles and technical sales. Your in-depth knowledge of farm animal health and production systems will qualify you for careers such as animal health and welfare inspector for a local authority or Defra (Department for Environment, Food and Rural Affairs).

Or you may choose to work in the animal feed industry developing new diets or in an animal health company, for instance. Some students prefer to use their skills as enterprise managers, or to go on to postgraduate study.

Bioveterinary Science

MSci / BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D300

Duration: Four years

Modules:

harper.ac.uk/17bio



MSci:

UCAS code: See ucas.com

Duration: Five years

Modules:

harper.ac.uk/17bio-msci



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

Do you enjoy studying science and finding out how scientific principles can be used to prevent disease and improve the health of animals?

Are you interested in learning more about the biology of a range of animals (farm, companion and equine) in order to know what is best for their overall health?

Then this four-year course could be the right choice for you. It is a highly vocational course where the underpinning sciences are relevant and useful. So time spent in the laboratory will be balanced with the study of live animals. Basic health sciences such as anatomy, physiology, immunology, nutrition and molecular biology are studied as are the sciences of animal disease – epidemiology, microbiology, parasitology, and pharmacology.

Integrated Masters option

A five-year undergraduate Masters degree level course geared towards those who wish to develop their molecular and laboratory skills to an advanced level with a focus on a research career. Your final year will include a major research project which will commonly be sponsored by an industrial partner.

What you study

Modules in the early part of the course are concerned with normal body structure and functioning along with aspects of molecular biology and genetics. The principles underlying animal health are followed by a study of the processes involved in animals' responses to

disease and how animal diseases are spread. Companion animals and farm livestock are given equal weighting on the course.

There are also opportunities to choose modules which relate to horses, companion animals and animal welfare. This ability to choose allows you to specialise or gives you the flexibility to study over a wide area.

Full details of modules can be found here:

harper.ac.uk/17bio

harper.ac.uk/17bio-msci

Work placement

The one-year work placement allows you to put theory into practice, tackling real world situations and problems. We will help you to find a placement that suits your career aspirations and when you graduate you will do so with an enviable combination of education and experience.

Recent placements have included veterinary pharmaceutical companies, local authority animal health departments, research facilities, zoos and wildlife parks, veterinary practices, and commercial livestock farms.

Careers

The grounding provided in both science and applied animal studies also opens up opportunities in many areas of research. It is important to realise that by studying this course you will not qualify as a vet (i.e. you can't diagnose and treat animals) but there are opportunities to work alongside vets and other scientists

in the veterinary pharmaceutical companies that produce animal health products as well as in the animal nutrition or biotechnology industries.

Some graduates have gone on to study at veterinary school to eventually qualify as a veterinary surgeon.

You would also be well qualified to work as an animal health inspector for a local authority or Defra.

Animal Behaviour and Welfare (Clinical Animal Behaviour)

BSc (Hons)

An

*Subject to validation

Fact File

BSc (Hons):

UCAS code: D390

Duration: Four years

Modules:

harper.ac.uk/17abw



Typical entry requirements: p148

Top-up available:

UCAS code: D328

If you have FdSc Animal Management and Welfare or FdSc/HND Animal Care (or equivalent) you may be eligible to upgrade your qualification to BSc (Hons) Animal Behaviour and Welfare.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The course

Do you long to find out why animals behave the way they do and what this can tell us about their welfare? Do you care passionately about the welfare of animals but realise that applying scientific principles is likely to achieve better results than responding in a purely emotional way? Then this course is for you.

This degree enables those interested in the behaviour and welfare of companion and farm animals to study at degree level without covering the broader animal health sciences in detail.

All main groups of farm animals are represented on our farm and the Companion Animal House has a range of exotic and companion animals.

What you study

You will examine animal biology as it relates to the behaviour and welfare of animals, and have the opportunity to study ecology in relation to animal habitats.

Students carry out an animal-based investigational project in their final year, looking at an aspect of animal behaviour or welfare.

Full details of modules and accreditation can be found here:
harper.ac.uk/17abw

Work placement

Students undertake a placement during their third year in an animal-related organisation of their choice. You may want to gain experience working at animal hospitals and shelters, research facilities, zoos and wildlife parks, veterinary practices, livestock farms, stables, catteries and kennels or other animal-based organisations.

Careers

This course prepares graduates for careers involving animal behaviour and also in animal welfare and management. Increased awareness of animal welfare and behaviour issues has opened up more employment opportunities in the animal sector.

Organisations that house animals are becoming more aware of the need for employees to understand animal welfare and behaviour.

Welfare organisations are expanding, and nutrition and pharmaceutical companies have careers suitable for graduates with a sound welfare education. Many graduates move into higher education as lecturers or researchers, some move into clinical animal behaviour and others choose further postgraduate study.



“The support I’ve had from staff is amazing.”



Molly Letch
harper.ac.uk/mollyletch

Animal Health and Welfare

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D730

Duration: Four years

Modules:

harper.ac.uk/17ahw



Typical entry requirements: p148

Top-up available:

UCAS code: D740

If you have *FdSc Animal Management and Welfare* or *FdSc/HND Animal Care (or equivalent)* you may be eligible to upgrade your qualification to *BSc (Hons) Animal Management, Health and Welfare*.

Course specific costs

Our current online *Fees and Charges* booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The course

If you care about animal welfare but realise that applying scientific principles is likely to achieve better results than responding in a purely emotional way, and want to learn more about the biology of a range of animals, this is the course for you.

There is an element of science in the course, as you will be studying the biology of animals and disease.

This is crucial because in order to manage animals in the interests of their welfare, you need to have a good understanding of the underpinning sciences, such as how their bodies work, what is needed to maintain health and what happens in the case of disease. This does include laboratory work, although not 'animal experimentation' in its sensationalist form.

What you study

This is a multi-disciplinary course incorporating a variety of applied science and animal management modules. It looks at normal body structure and functioning, mechanisms to enhance health and welfare and develops students' abilities to synthesise solutions to a range of animal-related problems.

Companion (pet) animals and farm livestock are given equal weighting on the course. There are also opportunities to choose optional modules. This allows you to specialise or gives you the flexibility to study over a wide area.

Full details of modules can be found here: harper.ac.uk/17ahw

Work placement

On placement you will apply your developing skills and gain experience to underpin subsequent studies, and explore the wide range of career options available. With a clearer idea of your future career in mind, after placement you will be able to choose modules to help you develop the skills you need.

Careers

Careers in this field are varied and rewarding. There are opportunities in animal health with companies associated with the development and marketing of animal health products. Nutritional products and special diet formulations are being developed for animals with health problems, and knowledge of both animal health and nutrition equips graduates for careers in this area.

Welfare and food safety concerns have led to job opportunities in quality assurance, with schemes being developed by the RSPCA, supermarkets and the farming industry. Or you may consider a career in animal welfare and the management of collection animals, in animal physiotherapy or in the pet care industry.

550k

Throughout Europe an estimated 550,000 direct and indirect jobs are generated by pet ownership, such as veterinarians or breeders or connected supply industries.

www.fedialf.org

Animal Management and Welfare

FdSc

*Subject to validation

An

Fact File

FdSc

UCAS code: D392

Duration: Three years

Modules:

harper.ac.uk/17amw



Typical entry requirements: p148

Top-up available:

UCAS code: D740, D328

If you have FdSc Animal Management and Welfare or FdSc/HND Animal Care (or equivalent) you may be eligible to upgrade your qualification to an honours degree in Animal Management, Health and Welfare or in Animal Behaviour and Welfare through one of our top-up courses. These top-up courses are linked closely

to the established BSc (Hons) Animal Health and Welfare, and BSc (Hons) Animal Behaviour and Welfare degrees (pages 30 and 29)

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

This three-year course is ideally suited to students who want to work 'hands-on' with animals in kennels and catteries, zoos or wildlife parks, stables, farms, research establishments or animal assistance organisations.

Science is a necessary part of the course because if you are to be able to manage animals in the interests of their best welfare you need to have a good understanding of the underpinning sciences such as how their bodies work, what is needed to maintain health and what happens in the case of disease. However, as with all animal-related courses at Harper Adams, the science modules are very applied so that you can see the relevance of the subject matter from the beginning. Even if you found science difficult or boring before, it is likely that you will enjoy it here because it is all related to animals.

The course covers areas such as husbandry, nutrition, physiology, breeding, behaviour and health which will give you the knowledge required to manage the welfare needs of a diverse range of species. The emphasis is slightly more on companion animals but farm animals, horses, wildlife and collection animals are also included.

Full details of modules can be found here: harper.ac.uk/17amw

Work placement

Students undertake a 44-week period of industrial placement in an animal-related organisation of their choice. Recent industrial placements have included RSPCA hospitals and shelters, research facilities, wildlife parks, zoos, falconry centres, veterinary practices, pet retail outlets, kennels, catteries and stables.

Careers

Many Harper Adams graduates are currently working for welfare organisations (at home and abroad), at colleges as lecturers, technicians and animal demonstrators, and within wildlife parks and zoos. Others have become assistant managers and livestock managers within pet superstores, or work in farm and large animal environments at home and within Europe.

Some work in kennels and catteries at various levels of responsibility, or in pharmaceutical research.

Opportunities are developing in the area of animal physiotherapy.

Some students have become education officers in zoos or other welfare organisations such as the Guide Dogs for the Blind Association or the Dogs Trust. Many graduates continue in higher education studying degrees in Zoology, Wildlife Ecology and Animal Behaviour.



[shutterstock.com/TheLen](https://www.shutterstock.com/TheLen)

Zoos and wildlife parks are great places to build job skills whilst on placement.

"I'd definitely recommend Harper Adams. You meet a wide range of people here from different backgrounds and coming from a city doesn't make a difference. If you want to study animals, Harper Adams is the place to come to."

Charli Bates, from Birmingham, is studying BSc (Hons) Animal Behaviour and Welfare.



Agr

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Business

Bs

Cew

Ex

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Ap

Applied business teaching: real case studies and real clients are involved in many of our modules

Fs

Rm

Qu

Industry recognised **qualifications** from Microsoft, CIM and CMI

Gy

Gr

Graduates recognised as 'work ready' by employers in the agribusiness sector

Vn

Cm

Course Manager:
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harper.ac.uk/whitehouse

Why study business at Harper Adams?

Everyone needs a business education. Whatever career you follow it will almost certainly involve some 'business'. From manufacturing to marketing, food to finance, you need to develop and manage business opportunities to create wealth and well-being, prosperity, jobs and choices.

At Harper Adams we prepare you for careers in a wide range of industries. We help you develop not just the knowledge, but the skills to put it into practice in the real world outside the classroom. Through lectures and tutorials led by commercially experienced staff you will learn to think critically, solve business problems, analyse company finances and investigate new markets – then do it for real during the work placement year that all of our students undertake.

There will be visiting speakers, off-site visits, careers advice and the fabulous modern resources at Harper Adams to help you understand the type of business you are interested in. If you have the ambition and drive for business and want to study at a beautiful, lively rural university with an excellent reputation Harper Adams is for you.

Staff

You will be taught by professionals with considerable industrial experience who support modules ranging from finance, human resource management, marketing and economics through to consulting and entrepreneurship. Staff have links with professional organisations including the Chartered Institute of Marketing, the Chartered Management Institute, the American Economic Association, the Royal Economic Society, the Institute of Agricultural Management and the Higher Education Academy.

Don't just talk, do!

Harper Adams students don't just sit in a classroom and learn theory – they learn how to DO things, and how things are done in the real world. Take, for instance, an information technology module studied by first year business students, which gives them the opportunity to explore currently available technologies and apply them to real world business problems. It could be developing a new app using the latest app development tools, or exploring the use of social media.

Students will have the opportunity to develop a range of communication skills such as a radio interview, a sales pitch and presentations to industry clients. All students also have the opportunity to achieve Microsoft Office qualifications, which are highly valued by employers.

And of course the work placement year, which all students undertake, is the best way of experiencing the working world, allowing you to gain invaluable experience and contacts in a real workplace, in the UK or overseas.

The Harper Adams placement team provide a wide range of support to help you secure a placement. Business placements are paid and upon graduation you'll have a winning combination of theory and hands-on experience.



Careers

We are passionate about helping you develop the skills that employers want; IT skills, delivering presentations, working in groups, managing commercial Twitter feeds and Facebook pages, managing teams and thinking like an entrepreneur.

These skills, combined with your work placement experience, and the can-do approach typical of most Harper Adams students, add up to an attractive package for employers. Our graduates can be found working in a wide range of industries and different roles across the UK and beyond, including the agricultural and land-based industries, the food supply chain, the retail sector, banks and accountancy. There are also many graduate management training schemes across all sectors of business.

Teaching and assessment

Learning at higher education level is a big step up from further education so we make sure you get lots of advice and support. Everyone learns differently and in the workplace you'll need to work in different ways.

You will attend lectures and tutorials, with a requirement to undertake regular hands-on applied work on topics that are based on real world situations, such as producing a marketing plan or looking at how a company could make better use of IT. All students undertake a major project in their final year on a topic that is of particular interest to them.

You will be assessed through exams and course work, with feedback provided. Course work may be reports, presentations or portfolios produced individually or as part of a team.

The business network

We have developed strong links with some of the biggest names in the sector including Claas, Asda, NFU, ADHB and Dairy Crest, to name just a few.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information
on Business courses
scan the QR code*

Business Management with Marketing

BSc (Hons) / FdSc

*Subject to validation

Bs

Fact File

BSc (Hons):

UCAS code: N2NM

Duration: Four years

Modules:

harper.ac.uk/17bmm-bsc



FdSc:

UCAS code: N2N5

Duration: Three years

Modules:

harper.ac.uk/17bmm-fdsc



Typical entry requirements: p148

Top-up available:

UCAS code: N2NN

Upon successful completion of the FdSc you may be eligible to upgrade your qualification to a full degree in Business Management with Marketing through our top-up course.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

Modern business is a dynamic environment in which to work. Customer wants and needs constantly change. The technology managers rely on is also changing at an ever-faster pace. New products and services are launched into already crowded markets on a regular basis. Such an environment can be challenging but a qualification in Business Management with Marketing prepares you for the rigours of modern business life, enabling you to exploit the exciting opportunities available.

The foundation and honours degrees in Business Management with Marketing enable students to acquire transferable business skills and general business knowledge that will be useful in all aspects of business, whether in the public or private sector.

See page 100 for the differences between BSc (Hons) and FdSc courses.

What you study

The course develops a range of transferable skills such as communication, analytical and critical thinking, problem solving and creativity, to name a few. This prepares you for a career across a wide range of sectors.

The course structure involves studying a range of business modules so that you can understand how a business operates with an emphasis on management and marketing. You will be able to draw up a business plan, develop

a marketing strategy and provide recommendations to a local business via a management consultancy project. The range of modules studied and the real life experience gained during a year on placement gives you a good start on the career ladder.

Full details of modules can be found here:

harper.ac.uk/17bmm-bsc
harper.ac.uk/17bmm-fdsc

Accreditation

Students studying Business may wish to take extra courses, including a Hygiene and Food Safety Level 2 certificate (a one-day course costing £35), and a Commercial Sales course (one day at £45). Students also have the option to register for the Chartered Management Institute Level 5 Award, which currently has a fee of £100.

Work placement

BSc students undertake work placement in their third year, and FdSc students in their second year. You will build on the foundations of your early studies during the one-year placement period. This will enable you to not only put theory into practice but witness at first-hand the challenges which face all business managers.

This placement could be spent in the UK or overseas. Recent employers, across a wide variety of sectors, have included Brown and Co, Anglia Farmers Ltd, Eddie Stobart, Claas UK and West London Gun Room.

Careers

These courses are for those who wish to pursue a career in business management in a wide range of sectors. Over recent years, Harper Adams graduates have entered a variety of careers in marketing, accountancy, consultancy, sales, recruitment, publishing, purchasing, web design, event management and financial services to name but a few. Students who wish to start their own business have found the knowledge they have developed during the course has enabled them to go down the self-employed route.

Agri-business

BSc (Hons) / FdSc

*Subject to validation

Bs

Fact File

BSc (Hons):

UCAS code: DN41**Duration:** Four years**Modules:**harper.ac.uk/17ab-bsc

FdSc:

UCAS code: DN4C**Duration:** Three years**Modules:**harper.ac.uk/17ab-fdsc**Typical entry requirements:** p148

Top-up available:

UCAS code: See ucas.com

If you have a foundation degree or HND in Agri-business, or a related subject, you may be eligible to upgrade your qualification to a full honours degree through our top-up course.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The courses

The agricultural sector faces a number of significant challenges in the future from climate change to floods and droughts, an ever-increasing world population and changes in European policies. All of these factors contribute to a sector that needs graduates who possess well developed business skills combined with a thorough understanding of the agricultural business sector to respond to these constraints. These courses cover a range of both agricultural and business subjects that will enable students to understand the agri-business sector.

See page 100 for the differences between BSc (Hons) and FdSc courses.

What you study

The course will provide you with business knowledge that is related to the farm and the agricultural sector. There will be modules on crops and animals in the first year supported by a range of business modules which will be developed in subsequent years to give you an all-round view and understanding of the agri-business sector.

Full details of modules can be found here:

harper.ac.uk/17ab-bscharper.ac.uk/17ab-fdsc

Accreditation

Students are able to register with the Chartered Management Institute and gain a level 5 Award or Certificate in Management and Leadership alongside their degree programme.

Work placement

BSc students undertake work placement in their third year, and FdSc students in their second year. We have an established relationship with many companies which deal with the farm inputs and outputs sector, such as McDonalds, Anglia Farmers, Syngenta, NWF, Gleadells, Bernard Matthews, Andersons Consultants, and Frontier Agriculture Ltd. You will spend one year on a work placement, which will enable you to put theory into practice.

Careers

There are opportunities for graduates in many areas of the agricultural sector including farm inputs and outputs, commodity trading, sales, marketing, research, finance or consultancy.

These positions may take you anywhere in the country or the world. Depending on your chosen route you may choose to be more hands-on with agriculture or providing advice and guidance to farmers on what to produce. There is a wide choice in this diverse, challenging sector.



“Harper Adams is a fantastic place with great facilities. The teaching support from staff is wonderful.”

Gail Shrubsall

BSc (Hons) Agri-Business

Agri-food Marketing with Business

BSc (Hons) / FdSc

*Subject to validation

Bs

Fact File

BSc (Hons):

UCAS code: DN45

Duration: Four years

Modules:

harper.ac.uk/17ambs-bsc



FdSc:

UCAS code: D6N1

Duration: Three years

Modules:

harper.ac.uk/17ambs-fdsc



Typical entry requirements: p148

Top-up available:

UCAS code: DNK5 (BSc Hons)

UCAS code: DNL5 (BSc)

Upon successful completion of the FdSc you may be eligible to upgrade your qualification to a full degree in Agri-food Marketing with Business Studies through our top-up course.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

There is an ever-increasing demand for food, with the UK relying on both imports and exports to feed itself and drive economic growth. Behind the supermarket shelves lies a globalised supply chain that is sensitive to economic and environmental events, e.g. too much or too little rain can reduce or devastate harvests.

This dynamic complexity, together with more demanding consumers and concerns about food safety and security, local sourcing and carbon footprints make this an exciting and challenging employment sector.

To deal with these issues this course develops skills across business, agriculture and food disciplines, producing well-qualified managers who are sought after in the agri-food sector.

See page 100 for the differences between BSc (Hons) and FdSc courses.

What you study

The courses are built around a balanced programme of marketing, business, agriculture and food production so that you fully understand the concept of field to fork.

In the 1st year you study animal and crop production alongside a range of business modules but in subsequent years you move away from the "field" and learn how to satisfy the needs of customers in business to business and business to consumer relationships.

Full details of modules can be found here:

harper.ac.uk/17ambs-bsc

harper.ac.uk/17ambs-fdsc

Accreditation

Students are able to register with the Chartered Management Institute and gain a level 5 Award or Certificate in Management and Leadership alongside their degree programme.

Work placement

BSc students undertake work placement in their third year, and FdSc students in their second year. The one-year placement will help you put theory into practise in a commercial environment. Recent placement employers have included Noble Foods, Asda, Frontier Agriculture Ltd, Dairy Crest, Promar International, MMUK and Univeg UK. Students have undertaken roles as diverse as promotions co-ordination, financial management and planning, product range management, quality control and market research.

Careers

The careers of agri-food business graduates span the whole food supply chain, from agricultural merchants and pharmaceuticals companies to food manufacturers, distributors, retailers and traders. A combination of business and marketing skills plus technical awareness, make graduates attractive to organisations in the agri-food sector.

The transferable nature of the commercial skills developed enables graduates to work in government, trade and overseas development organisations, banks, specialist market research agencies and consultancies. Many have also found that this qualification equips them to set up and successfully run their own food, farm or rurally-based enterprise.

Countryside, Environment and Wildlife

Cew

Co

Learn about the **countryside** IN the countryside!

Vo

Hands-on skills, a strong academic curriculum and a full year on placement create highly **vocational** courses

Ur

Transferable skills and a broad range of modules enable graduates to work in **urban** environments as well as rural ones

Cm

Course Manager:
Simon Irvin
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harper.ac.uk/irvin

Learn about the countryside... in the countryside

It makes sense, really – if you are passionate about learning to manage and help shape the future of the countryside and the wider environment, you want to be right in the middle of it. Based in rural Shropshire, we are fortunate to be surrounded by countryside and environmental resources, ideal both for your studies and leisure time.

There are the North Shropshire meres and bogs, the Long Mynd, Aqualate Mere, Offa's Dyke National Trail and the world famous geological site of Wenlock Edge. Not to mention the Stiperstones, Shropshire Hills, local nature reserves, the Wrekin, Wildlife Trust sites and a host of National Trust and English Heritage properties and parks. The Welsh Mountains, Cannock Chase, Staffordshire Moorlands and the Peak District are not too far away.

All in all, Harper Adams provides an ideal environment to study countryside and environment management.

The countryside and agriculture

Agriculture is one of the key uses of land area in Britain and anyone aiming for a career in the countryside and environmental industry should have a good understanding of the role of farming and the other principal land uses within the countryside. Harper Adams is renowned for its long history of teaching agriculture, which is a great benefit to those studying the countryside.

Careers

Working in the UK countryside, wildlife and environmental management sector is more complex and demanding than ever before. The practical implications of climate change, species and habitats under threat and the challenge of managing competing interests in the countryside are common concerns to many. We live and work in a densely-settled environment with increasingly diverse expectations of the countryside and of land management. Food and fibre production, biodiversity, beautiful and distinctive landscapes, access and recreation, sustainability, the production of renewable energy, opportunities for learning and community development – these are all typical issues that Harper Adams graduates study and are equipped to deal with as they develop their careers in these exciting and challenging times.

Recent graduates have gone on to work as forest rangers, National Trust wardens, wildlife preservation officers, geo-technicians, ecologists, countryside advisors for local government, arborists, agricultural management trainees, international environmental advisors, wildlife reserve wardens, grounds managers, nature reserve managers, wildlife community officers, rural development officers, waste management technical managers, access officers, and fertiliser traders.



Staff

The department is staffed by experienced countryside and environment professionals specialising in topics including countryside, recreation and visitor management, land management, environmental education, wildlife, forestry and woodland management, landscape assessment and development, rural land-use, ecology, environmental biology, conservation, habitat management, the rural economy and agricultural policy. They are well supported by guest lecturers from the industry.

Teaching and assessment

Teaching methods include lectures, seminars and tutorials. Research-led learning is encouraged, from learning about the work of others and its relevance to wildlife resource management to conducting your own studies and field experiments. We also welcome visiting speakers from within the sector, and students benefit from practical field work and site visits. You will be assessed by coursework and exams, with verbal and written feedback provided.

Coursework may include flora and fauna identification tests, management plans, essays/case studies, field reports, and poster presentations.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information on Countryside,
Environment and Wildlife courses
scan the QR code*

Countryside Management

BSc (Hons) / FdSc

*Subject to validation

Cew

Fact File

BSc (Hons):

UCAS code: D4N9

Duration: Four years

Modules:

harper.ac.uk/17cm-bsc



FdSc:

UCAS code: D4NX

Duration: Three years

Modules:

harper.ac.uk/17cm-fdsc



Typical entry requirements: p148

Top-up available:

UCAS code: D449

If you have an appropriate foundation degree or HND you may be eligible to top-up to a degree in Countryside and Environmental Management

Course specific costs

This course includes a compulsory seven-night residential field courses in the first year of study which costs £50. BSc (Hons) students also

undertake a five-night field course in their final year at a cost of £30. These figures are based on 2015/16 costs, which may rise in subsequent years. Our online Fees and Charges booklet provides a guide to costs for equipment, field trips and other course specific expenses.
harper.ac.uk/money

The courses

Do you want to play a rewarding part in the management and conservation of our natural heritage?

These vocational courses will help you to develop the knowledge and skills you will need to work as a professional in the countryside. The importance of sustainable countryside management is increasingly being recognised by both government policy and by potential understanding of the countryside and the pressures that both wildlife and the environment are facing. The main emphasis is to balance the often competing needs of the countryside with those of recreational visitors and, importantly, to understand the current issues associated with conservation, agricultural land use and policy.

Key features include:

- Residential field trips in years 1 and 4 (BSc only) to underpin and contextualise what you learn.
- Field trips and visits to local and national organisations to provide real life experience and to meet professionals in their field of work.
- An emphasis on developing your business and people skills in the rural sector.
- A focus on the practical application of theory to give you the skills to succeed.

*See page 100 for the differences between BSc (Hons) and FdSc courses.

What you study

Modules will cover a broad range of subjects including ecology, countryside and environmental issues, wildlife, landscape development, woodlands and forestry.

Full details of modules can be found here:

harper.ac.uk/17cm-bsc

harper.ac.uk/17cm-fdsc

Work placement

The one-year work placements are organised and managed through a dedicated placement unit at Harper Adams. To further support you on placement the countryside and wildlife team have a course specific placement manager and academic staff to visit you on placement twice during the year to review your progress. You will be helped to find a placement within a countryside organisation. This time spent working in industry gives you the chance to use what you have learned in a real job and to gain experience in your chosen area of work. It gives you unique prospects as employers value the combination of theory and hands-on experience. Recent placement employers include the National Trust, Game Conservancy Trust, the Woodland Trust and the Field Studies Council.

Careers

The breadth and flexibility of this course means our students go on to careers in a wide range of areas.

Countryside students at Harper Adams have a strong reputation in the graduate jobs market. This stems

from our balanced and up-to-date course structure, good links with the industry and the placement year. These key elements of our approach help to produce graduates with a valuable combination of academic knowledge and real-world experience. These courses prepare you for careers such as countryside rangers, rights of way officers, reserves managers and agri-environment project officers. Opportunities are available with local authorities and employers such as Natural England, Defra, Wildlife Trusts, the National Trust, the Forestry Commission, the Royal Society for the Protection of Birds, and Groundwork Trusts. Technical awareness ensures that graduates are sought after by organisations in the agri-food sector. The transferable nature of the commercial skills developed enables graduates to work in government, trade and overseas development organisations, banks, specialist market research agencies and consultancies. Many have also found that this qualification equips them to set up and successfully run their own food, farm or rurally-based enterprise.

Countryside and Environmental Management

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D462

Duration: Four years

Modules:

harper.ac.uk/17cem



Typical entry requirements: p148

Top-up available:

UCAS code: D447

If you have an appropriate foundation degree or HND you may be eligible to top-up to a degree in Countryside and Environmental Management.

Course specific costs

This course includes a compulsory seven-night residential field courses in the first year of study which costs £50. BSc (Hons) students also

undertake a five-night field course in their final year at a cost of £30. These figures are based on 2015/16 costs, which may rise in subsequent years. Our online Fees and Charges booklet provides a guide to costs for equipment, field trips and other course specific expenses.
harper.ac.uk/money

The course

Key features include:

- Residential field trips in years 1 and 4 to underpin and contextualise what you learn.
- A range of field trips and visits to relevant local and national organisations to provide real life experience and to meet professionals in their field of work.
- Emphasis on applied environmental science.
- A focus on the practical application of theory to give you the skills to succeed.

What you study

This course will give you comprehensive training in modern environmental management techniques and will introduce you to key concepts of biodiversity, sustainability, ecology and environmental systems.

You will develop a broad understanding of the scientific principles needed to effectively manage our environment, which is coming under increasing pressure as a result of human activities. You will gain hands-on experience of collecting, analysing and interpreting data for the conservation and management of our natural environment.

The strongly vocational nature of this course is supported by field visits to a diverse range of habitats, which include woodlands, nature reserves, conservation areas and other key UK landscapes.

Full details of modules can be found here:

harper.ac.uk/17cem

Accreditation

This course has been awarded Chartered Institute of Ecology and Environmental Management (CIEEM) accredited degree course status.

We are one of the first UK universities to receive this accreditation.

Work placement

You will spend your one-year placement working in the countryside and environmental industries. Several scholarship opportunities, linked to placement, are available to apply for with sponsoring bursaries paying a significant amount towards the expected costs of successful applicants.

Current placement providers include: Natural England, The Wildlife Trusts, Forestry Commission, National Trust, Blenheim Palace, Eurofins, local authorities, and Kanana Camp in Botswana.

Careers

The breadth and flexibility of this course means our students go on to careers in a wide range of areas.

Countryside and Environment students at Harper Adams have a strong reputation in the graduate jobs market. This stems from our balanced and up-to-date course structure, good links with the industry and the placement year. These key elements of the Harper Adams

approach help to produce graduates with a valuable combination of academic knowledge and real-world experience. There are many career opportunities in this field with, for example, environmental and land-based consultancies, statutory bodies like the Environment Agency, local authorities, and employers such as Natural England, Defra, Wildlife Trusts, the National Trust and environmental consultancies.

Wildlife Conservation

BSc (Hons)

*Subject to validation

Cew

Fact File

BSc (Hons):

UCAS code: CD14

Duration: Four years

Modules:

harper.ac.uk/17wc



Typical entry requirements: p148

Top-up available:

UCAS code: CD14

Course specific costs

This course includes a compulsory seven-night residential field courses in the first year of study which costs £50. BSc (Hons) students also undertake a five-night field course in their final year at a cost of £30. These figures are based on 2015/16 costs, which may rise in subsequent years. Our online Fees and

Charges booklet provides a guide to costs for equipment, field trips and other course specific expenses.

harper.ac.uk/money

The course

Key features include:

- Residential field trips in years 1 and 4 to underpin and contextualise what you learn.
- A range of field trips and visits to relevant local and national organisations to provide real life experience and to meet professionals in their field of work.
- A strong focus on animal behaviour and the relationship between species and the environment.
- A focus on the practical application of theory to give you the skills to succeed in your chosen career.

What you study

This course provides comprehensive training in modern wildlife management techniques and is designed to introduce key concepts of wildlife conservation, biodiversity and sustainable resource management. Students will develop a broad understanding of the scientific principles required for effective management of our wild flora and fauna, which is increasingly coming under pressure as a result of human activity.

Combined with a sound scientific underpinning students will gain hands-on experience in the techniques of collecting, analysing, and interpreting data for the conservation and management of our wildlife and natural resources.

Full details of modules can be found here:

harper.ac.uk/17wc

Work placement

The one-year work placement is organised and managed through a dedicated placement unit at Harper Adams. To further support you on placement the countryside and wildlife team have a course specific placement manager and academic staff to visit you on placement twice during the year to review your progress.

The industrial placement gives you the chance to work in a course-relevant wildlife conservation or resource management environment in the UK or abroad. This generates excellent applied knowledge and really enables you to put into practice the skills gained in the first two years of study.

There are also long-term careers benefits as employers value the combination of academic knowledge and hands-on skills gained from real world experiences.

Careers

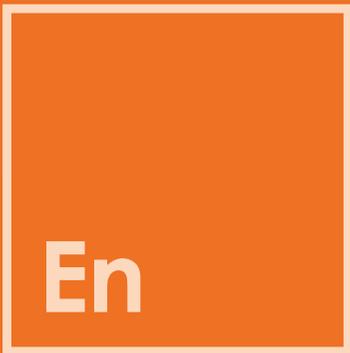
Wildlife Conservation graduates can look forward to varied careers in a range of wildlife conservation related careers. Typical employment areas include: Reserve ecologist, environmental consultancy work in wildlife parks and zoos, working for charities and voluntary organisations including wildlife rescue centres, and practical countryside and conservation positions as rangers/wardens.



[shutterstock.com/AndrewRoland](https://www.shutterstock.com/AndrewRoland)

You'll spend a week in Devon (pictured) on a residential field trip in your first year.

Engineering



Our reputation is for producing **professional** engineering graduates who are industry ready on graduation



We mentor our students on a **personal** level to ensure they develop and achieve their individual career aspirations



Our graduates are highly sought after by employers due to their technical expertise, professional behaviours and **industry** experience



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harper.ac.uk/rowsell



Industry ready professional engineers

Harper Adams specialises in producing graduates who are industry ready, experienced engineers. Whether studying pure mechanical engineering or the more specialist mechanical engineering courses aimed at the agricultural or off road vehicle industries, Harper Adams engineers are highly sought after within industry.

The university's reputation for excellent teaching and applied research is built on a long and successful history of supplying industry with high calibre engineers who already have a proven ability to deliver solutions to complex real world problems.

Course structure and assessment

All of our engineering degree programmes share a common first year, which is designed to develop the core engineering theory and problem solving skills that will underpin your development into an industry ready engineer. This common framework offers you opportunities to focus your career direction as you progress through the course, and is a key part of the personal career development that is embedded in our course design philosophy. This personal learning journey develops further in subsequent years, through contextualised learning and assessment tasks, and final year module option choices that enable you to specialise towards your preferred career direction.

The following course overview is based on a five-year MEng degree - BEng and BSc degrees are a year less in duration and students studying these programmes would undertake their individual major project in year 4.

First year

Your first year will focus on the fundamental knowledge and skills required of all engineers – those of understanding and applying engineering science, materials knowledge and measurement techniques as the basis for the solving of engineering problems. Alongside these core engineering topics you will also begin to study the context for your chosen area of specialism.

Second year

In the second year, you will deepen your technical engineering knowledge, through developing competency in systems specification, integration and modelling, and process optimisation. You will also gain further experience of applying this learning to solving real-life engineering problems through a group design-and-development project. This project will be contextualised towards your chosen career direction, and you will follow best industry practice in developing your solution to this real-world development task – and a selection of our placement employers will be involved in the design review and evaluation phases to ensure you reach the level required by industry prior to commencing your industrial placement year.



Industrial placement year

The 12-month industrial work placement undertaken by all students is a central element of your development as a professional engineer. We will help you to find a placement within an organization that closely matches your interests and aspirations. The placement year gives you an opportunity to act in a professional capacity inside a real, functioning company. You will spend this year using and developing the skills from the first two years of your course within the context of a commercial organisation.

Fourth year

Your development into an industry ready professional engineer will be further enhanced in your fourth year, where you will utilise the experience and commercial awareness gained during placement in the completion of a group project for an industrial client. You will work as part of a team, and be required to manage all aspects of the project planning and client interaction and be responsible for the successful delivery of the client requirements. You will also gain a deeper understanding of the product test and development process, and will gain further technical specialism relevant to your chosen career path through selection of specialist technical modules.

Fifth year

In your final year, you will demonstrate your technical competency and industry readiness through undertaking an individual project, where you will have the opportunity to work on a commercially relevant, cutting-edge engineering project. You will also enhance your project and people management experience through the management of a second year project team.

Degree levels

MEng: A five-year (including 12-month industrial placement) undergraduate Master's degree level course which is the preferred route to achieving Chartered Engineer status.

Chartered Engineers (CEng) are professional engineers who develop answers to engineering problems using new or existing technologies in creative and innovative ways. You might be developing these technologies, promoting advanced designs and design methods, introducing new and more efficient production techniques or pioneering engineering services

BEng (Hons): A four-year (including industrial placement) undergraduate degree that is geared towards graduates who wish to register as Incorporated Engineers (or with a year's further learning to become a Chartered Engineer). Incorporated Engineers are responsible for maintaining, managing and applying current and developing technology, working in fields such as engineering design, development, manufacture, construction and operation.

Careers and industry links

The engineering industry has a huge shortfall of suitably qualified people so professional engineers are in great demand in the UK and worldwide. Harper Adams helps you to develop the skills, knowledge and experience that employers and society needs. At Harper Adams you are treated as a professional engineer from day one and the structure of our degrees has been designed with industry to guide your development into an experienced, industry ready engineer.

Our graduates have an excellent rate of employment; many are offered their first job by their placement employer. They can be found working around the world as designers, consultants, project managers, test and development engineers, and product specialists.

An engineering degree is regarded by employers as a highly flexible degree which incorporates a range of transferable skills, and the managerial, analytical and problem solving skills that you learn at Harper Adams will also make you highly employable outside of the engineering industry.

We have developed strong relationships with some of the biggest names in the sector including JCB, Caterpillar, Claas, John Deere, BAE Systems, CNH, AGCO and Jaguar Land Rover, many of which also offer scholarships. Most of our scholarship students will spend their placements and holidays working with such employers, have their final year projects sponsored, and then go on to develop successful graduate careers with them.

Staff

There is a wealth of professional, technical, research and teaching experience within the engineering department's staff. Our academic staff are professional engineers with expertise across a range of specialisms, including vehicle and machine design for off road and agricultural applications, electronics, and hydraulics.

A member of the team provides dedicated maths support, while experienced teaching assistants and skilled technicians support student projects.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information on
Engineering courses
scan the QR code*

Mechanical Engineering

MEng / BEng (Hons)

*Subject to validation

En

Fact File

MEng:

UCAS code: H301

Duration: Five years

Modules:

harper.ac.uk/17me-meng



BEng:

UCAS code: H300

Duration: Four years

Modules:

harper.ac.uk/17me-beng



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

These degree courses are focussed on producing high-calibre engineering graduates who are experienced in the application of core mechanical engineering theory and practice to successfully deliver solutions to industry problems. In addition to the principles of machine design and advance simulation and modelling techniques, students will also gain knowledge of industrial manufacturing and process optimisation - skills highlighted by our industrial partners as highly sought after.

You will cover not just theory and technical skills but the research and business techniques needed by professional engineers. Industry figures have helped us to develop a comprehensive curriculum combining core engineering subjects with the latest industrial techniques. Much of our teaching is project led, and is designed to develop the professional skills that you will use as a graduate engineer.

What you study

Full details of modules can be found here:

harper.ac.uk/17me-meng

harper.ac.uk/17me-beng

Accreditation

The Institution of Mechanical Engineers (IMechE) describes a Chartered Engineer as specialising in analysis, creating the technology of tomorrow, while an Incorporated Engineer is an applications-based

engineer who works with the technology that is available. Our courses are accredited by the Institution of Mechanical Engineers (IMechE), and MEng graduates are eligible for initial registration for Chartered Engineering status. BEng students can become chartered engineers after completing additional study to Master's level.

Work placement

Our students spend their year-long placement working as professional engineers with an industrial firm such as BAE Systems, JCB, Niftylift or Cummins Engines. You will be helped to find the right role by an engineering placement manager based at Harper Adams.

See pages 110-117 for further information on placement.

Careers

Harper Adams Engineering graduates are highly sought after within industry and career opportunities are excellent. Mechanical Engineering is one of the broadest of the engineering disciplines and will offer you a wide choice of options. Our graduates are employed as professional engineers in: design and development, new product testing, manufacturing, and managerial and leadership roles.



Industry figures have helped us to develop a comprehensive curriculum combining core engineering subjects with the latest industrial techniques.

Automotive Engineering (Off Highway)

MEng / BEng (Hons)

*Subject to validation

En

Fact File

MEng

UCAS code: H337

Duration: Five years

Modules:

harper.ac.uk/17ae-meng



BEng:

UCAS code: H336

Duration: Four years

Modules:

harper.ac.uk/17ae-beng



Typical entry requirements: p148

Top-up available:

UCAS code: 23WH

(note: this will be a BEng Top-Up)

Upon successful completion of an appropriate FdSc or FdEng, you may be eligible to upgrade your qualification to BEng (Hons) Automotive Engineering (Off Highway) through our top-up course.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

These degree courses have a mechanical engineering core with a specialism in the design and development of vehicles that operate off road. The courses cover everything from the principles of suspension design, vehicle mobility and properties of off highway terrains, to the electronic control of vehicles and ride and handling optimisation. You will cover not just theory and technical skills but the research and business techniques needed by professional engineers.

Industry figures have helped us to develop a comprehensive curriculum combining core engineering subjects with the latest industrial techniques. Much of our teaching is project led, and is designed to develop the professional skills that you will use as a graduate engineer.

What you study

Full details of modules can be found here:

harper.ac.uk/17ae-meng

harper.ac.uk/17ae-beng

Accreditation

The Institution of Mechanical Engineers (IMechE) describes a Chartered Engineer as specialising in analysis, creating the technology of tomorrow, while an Incorporated Engineer is an applications-based engineer who works with the technology that is available. Our courses are accredited by the Institution of Mechanical Engineers (IMechE), and MEng graduates are

eligible for initial registration for Chartered Engineering status. BEng students can become chartered engineers after completing additional study to Master's level.

Work placement

Students spend their 12-month placement with companies such as Jaguar Land Rover, Terex, JCB, Caterpillar, and BAE Systems. Past experience shows many students find graduate employment with their placement company.

You will be helped to find the right role by an engineering placement manager based at Harper Adams.

See pages 110-117 for further information on work placement.

Careers

Careers opportunities in this field are outstanding. We have built excellent relationships with engineering companies in the off-highway industries. Our graduates are highly sought-after and are employed in the design and development of the next generation of SUVs, defence vehicles, construction equipment, and agricultural vehicles for global companies including Jaguar Land Rover, CNH, Bentley, JCB, Vauxhall, Caterpillar and BAE Systems, along with specialist organisations such as Supacat and Prodrive.



“The atmosphere at Harper Adams is so inviting and openly welcomes anyone of any background.”

Ruth Megahey

“Harper Adams’ new £2.9m Agricultural Engineering Innovation Centre for precision agriculture is a world class example of the innovation and agri – engineering expertise we have in the UK.”

**Lord de Mauley,
former Environment Minister**





Agricultural Engineering

MEng/BEng (Hons)

*Subject to validation

En

Fact File

MEng:

UCAS code: H335

Duration: Five years

Modules:

harper.ac.uk/17age-meng



BEng:

UCAS code: H330

Duration: Four years

Modules:

harper.ac.uk/17age-beng



Typical entry requirements: p148

Top-up available:

UCAS code: H332

(note: this will be a BEng Top-Up)

Upon successful completion of an appropriate FdSc or FdEng, you may be eligible to upgrade your qualification to BEng (Hons) Agricultural Engineering through our top-up course.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

These degree courses have a mechanical engineering core with a specialism in the design and development of agricultural machinery and systems. The courses cover everything from the principles of the design of agricultural machines, soil/interaction and irrigation and drainage, through to advancing technologies in the fields of precision farming, agricultural robotics and renewable energy.

You will cover not just theory and technical skills but the research and business techniques needed by professional engineers. Industry figures have helped us to develop a comprehensive curriculum combining core engineering subjects with the latest industrial techniques. Much of our teaching is project led, and is designed to develop the professional skills that you will use as a graduate engineer.

What you study

Full details of modules can be found here:

harper.ac.uk/17age-meng

harper.ac.uk/17age-beng

Accreditation

These courses are accredited by the Institution of Agricultural Engineers (IAgrE), and MEng graduates are eligible for initial registration for Chartered Engineering status. BEng students can become chartered engineers after completing additional study to Master's level. The Institution of

Mechanical Engineers (IMechE) describes an Incorporated Engineer as an applications-based engineer who works with the technology that is available, while a Chartered Engineer specialises in analysis, creating the technology of tomorrow.

Work placement

Our students spend their year-long placement working as professional engineers with an industrial firm such as John Deere, CNH, Great Plains, Claas or AGCO. You will be helped to find the right role by an engineering placement manager based at Harper Adams.

See pages 110-117 for further information on placement.

Careers

Careers opportunities in this field are excellent. Our Agricultural Engineering graduates are employed as professional engineers in: design and development, new product testing, manufacturing and equipment production, managerial and leadership roles.



“One of the best things about this course is the range of skills we develop, enabling Harper Adams graduates to work in a variety of roles.”

Jamie Kyle

Agricultural Engineering with Marketing and Management

BSc (Hons)

En

*Subject to validation

Fact File

BSc (Hons):

UCAS code: H3N2

Duration: Four years

Modules:

harper.ac.uk/17aemm



Typical entry requirements: p148

Top-up available:

UCAS code: H332

Upon successful completion of an appropriate FdSc or FdEng, you may be eligible to upgrade your qualification to BEng (Hons) Agricultural Engineering with Marketing and Management through our top-up course.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

This degree course is focussed on producing graduates who aim to work in product specialist or technical sales and support based roles within the agricultural engineering sector. These roles require a core engineering foundation, combined with an understanding of agricultural technology and systems and the working environment.

The course covers everything from the principles of agricultural machines and their management, soil/implement interaction and irrigation and drainage, through to advancing technologies in the fields of precision farming and renewable energy.

In addition to this technical foundation and specialist product knowledge, you will also develop the marketing and business management skills that are essential for these roles. Much of our teaching is project led, with a comprehensive curriculum that has been designed in conjunction with experienced industry partners to develop the professional skills that you will use as a graduate engineer and that will prepare graduates who are highly sought after within the sector.

What you study

Full details of modules can be found here:

harper.ac.uk/17aemm

Accreditation

The BSc (Hons) Agricultural Engineering with Marketing and Management degree is a four-year (including 12-month industrial

placement) undergraduate degree geared towards graduates who wish to progress into technical and marketing support roles. Graduates will be competent in the application of engineering principles, standards and codes of practice, with the structure of the BSc (Hons) course placing emphasis on real-world examples and industry relevant problems. Graduates are eligible to apply for registration as Incorporated Engineers through the Institution of Agricultural Engineers, who describe an Incorporated Engineer as an applications-based engineer who manages current technology.

Work placement

Our students spend their year-long placement working in professional roles within engineering organisations such as John Deere, JCB, Claas UK or AGCO. You will be helped to find the right role by an engineering placement manager based at Harper Adams.

See pages 110-117 for further information on placement.

Careers

Careers opportunities in this field are excellent. Our Agricultural Engineering with Marketing and Management graduates are employed as directors, managers and engineers in technical support and product specialist roles, as well as in technical sales, marketing and training positions, for leading companies in the sector.

Food Science, Technology and Innovation

Fs

In

PI

Fa

Cm

The food **industry** offers a wide range of professions to graduates with the right skills

The year-long **placement** gives you the meaningful work experience valued by employers and puts you ahead in the jobs market

We have great **facilities** on-campus from the Regional Food Academy to our commercial farm

Course Manager:

Dr Annette Creedon
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+44 (0)1952 815423
harper.ac.uk/creedon

Why study food?

Providing a growing population with safe, wholesome, nutritious and affordable food, while addressing environmental concerns and limited resources is high on the UK's agenda. The food industry (and the supporting land-based sector) is constantly evolving to meet the expectations of the consumer. Increasingly, people are becoming better informed and more demanding about their food and its quality. However, right across the UK's food industry, there is a shortage of suitably qualified and experienced graduates with a technical understanding of food. At Harper Adams we offer food courses which develop multi-skilled graduates who will move ahead with the industry in a range of exciting and rewarding careers.

Why study food science, technology and innovation at Harper Adams?

- A year-long placement period gives invaluable experience and opportunities
- Great facilities - from the Regional Food Academy to the on-campus farm
- See food production in action from farm to fork
- Strong links with the food industry
- Experienced staff with a diverse range of industry experience
- Our reputation for excellence is well known in the industry
- High quality higher education with an emphasis on science, technology, nutrition and processing
- Broad degrees that won't limit your career choices
- Strong employment prospects
- A friendly and supportive environment
- Varied field trips, visits and projects relevant to industry
- Superb social life

Careers

The food and drink industry is the UK's largest industrial employment sector, and Harper Adams has one of the highest university graduate employment records in the UK. The courses we offer cover a wide range of industries including food processing, new product development, marketing, quality assurance, food microbiology, supply chain management, retail and merchandising, buying and food design, and public health-based roles.

Staff

The department is staffed by experienced food technologists, and specialists in food production and manufacture and human nutrition. They are well supported by laboratory technicians and visiting lecturers from both industry and the public sector.



Professional links

We have strong relationships with some of the biggest names in the industry including Marks and Spencer, Dairy Crest, Florette, ABP Ltd., and Assured British Meats. Our links with the public health sector include Shropshire Environmental Health, Telford and Wrekin Primary Care Trust and the Food Commission.

The Regional Food Academy

Harper Adams is home to the Regional Food Academy (RFA). You'll find further details on page 126.

Placement

Food students spend a minimum of 44 weeks working in industry as part of their course. Most positions are paid and you will be given support from the placement team, including a Placement Manager.

Students find that having a longer period of experience in the 'real world' gives a real boost to their career opportunities, allowing them to explore potential jobs with support from the university. Placement increases confidence and professionalism, allows students to put theory into practice and learn further skills and knowledge. You can make valuable contacts, learn to work well both in teams and on your own initiative – and maybe even secure a graduate job.

Teaching and assessment

Assessment is made through a combination of exams and coursework. A typical week consists of eight hours of lectures and a further eight hours of group work, practical work and industry visits that have included poultry processors, savoury pastry manufacturers, mushroom producers, major retailers and their distribution centres. Food students take part in lots of practical sessions using the specialist facilities on campus. For instance, you may find yourself designing, making and tasting ice-cream, beer, bread, sausages, burgers, cheese and pizza.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



For more information on **Food Studies** courses scan the QR code

Food Manufacture with Marketing

BSc (Hons)

*Subject to validation

Fs

Fact File

BSc (Hons)

UCAS code: D640

Duration: Four years

Modules:

harper.ac.uk/17fpm



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

In western societies consumers are dependent on the agricultural and food processing industries, and the food retail and food service sectors, for the foodstuffs that sustain their lives.

Modern consumers take food very much for granted, giving little thought to what it is and where it has come from. Food is produced by people with specialist know-how, and the food industry has a constant need for appropriately qualified graduates.

You will gain a detailed understanding of the food industry, its place in society and relationship to consumers. You will explore the nature of food and how food ingredients behave when processed. You will learn what food is, why we eat it, how it is produced and processed, how the food supply chain operates, food trends, and consumer behaviour.

The course will equip you with the knowledge and skills needed to develop a career in the industry; anywhere from food processing and manufacture to food retailing.

What you study

All Food students share a common first year, studying the same modules. In your second and final years you will focus on your chosen specialism. You will cover subjects such as farm assurance and quality, commodity crops and fresh produce, food product development and sensory evaluation in the supply chain

as well as food quality management and food product manufacture and supply.

Full details of modules can be found here:

harper.ac.uk/17fpm

Work placement

Your third year will be spent on placement, where you will gain first-hand experience and develop the personal skills and characteristics needed to work with others. Employment may be in any part of the food industry, from food processing and manufacturing through to retailing and buying, and even in specialist media. Placement employment is usually paid and positions may be taken in the UK or abroad.

Careers

Graduates can expect to find job opportunities in the diverse food industry and associated fields.

You may wish to work in food processing and manufacture, food product development, technical management, quality management, food business management or food retail management. Other options include careers in buying food products, in sales and marketing, or setting up your own business. This course gives you the opportunity to become knowledgeable, skilled, adaptable, versatile and able to take command of your own life and career.



A practical session taking place in the Regional Food Academy.

Food Technology with Nutrition

BSc (Hons)

*Subject to validation

Fs

Fact File

BSc (Hons):

UCAS code: DB64

Duration: Four years

Modules:

harper.ac.uk/17ftn



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

This course has been designed specifically in response to the increasing interest in human nutrition worldwide and especially by the food industry and public health bodies.

It will satisfy the growing need for graduates with an understanding of food production and manufacturing and, importantly, human nutrition.

The degree will provide you with an understanding of the relationships between food, nutrition and human health. It will give you the knowledge and skills to work in food product development, manufacture and retailing. You will become a food professional with the ability to respond to a marketplace which has an increasing interest in food and its impact on health.

What you study

All Food students share a common first year, studying the same modules. In your second and final years you will focus on your chosen specialism. You will study subjects such as public health nutrition, psychology of food choice, hygiene and food safety as well as modules on advanced aspects of human nutrition and food security and sustainable food production.

You will develop a keen interest in food and human nutrition, and be able to design and produce healthy foodstuffs as well as deliver healthy eating messages appropriately to consumers. This course will help develop graduates who understand how to produce safe and nutritious

food as well as the legislation and policies governing the production/manufacture of food.

Full details of modules can be found here:

harper.ac.uk/17ftn

Work placement

Placement employment is usually paid and is taken within the food industry – where you choose to spend it depends on your interests and career goals. The placement period gives students the opportunity to develop their professional and personal skills, make contacts in the industry, and use what they have learned in the workplace to enhance their final year studies.

Careers

The multi-billion pound food industry is the second largest employment sector in the world. In the UK it is the largest manufacturing industry, employing over 3.2 million people in more than 100,000 locations. The food industry contains many multi-national companies and therefore offers opportunities for travel or work abroad. It offers valuable and diverse career opportunities with competitive reward packages. Graduates of this course can expect to find employment in areas such as product development, food manufacture, food marketing and buying.

In particular, graduates will be provided with an appreciation of the various disciplines they will require within a multi-disciplinary workplace.



Graduate Ross Purdy, above, based his final year dissertation on consumer acceptance of edible insects.

Food student Gemma Thornton spent her placement working for the Park Farms Group, where she experienced many different aspects of the business.



Food Business Innovation and Entrepreneurship

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D600

Duration: Four years

Modules:

harper.ac.uk/17fbie



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

Food is central not only to people's lives but also to those in the food industry as well as in national and local government. The UK spends £172 billion annually on food and drink, directly employing 3.7 million people and contributing to seven per cent of national output. The food sector needs innovative and entrepreneurial professionals who would become the 'foodpreneurs' of the future.

This course will provide you with an opportunity to develop expertise in business management concepts applied to food production, processing, retailing and marketing. You will be able to gain a strong theoretical knowledge as well as have the chance to practice the skills learned through activities such as team work, projects and simulation exercises that will equip you to deal with complex issues in a constantly changing environment.

What you study

All Food students share a common first year, studying the same modules. In your second and final years you will focus on your chosen specialism. You will study subjects such as leadership and innovative practice in the SME environment, entrepreneurship and the sme environment as well as managing contracts and exchange relationships and food industry innovation and entrepreneurship in supply chains. You will develop knowledge and understanding to equip you for a career in the entrepreneurial and managerial

aspects of the food industry including distribution, logistics, new product development, innovation, marketing, and retailing in large, medium and small businesses.

Full details of modules can be found here:

harper.ac.uk/17fbie

Work placement

In the third year you will have the opportunity to gain first-hand experience in an area of your choice through the work placement. You will build on theory learned in the classroom and acquire valuable practical skills. Work placement can take place in the UK or abroad and it is usually paid. It is a good opportunity to try areas and aspects of the food industry before becoming a qualified professional.

Careers

Graduates can expect to find job opportunities in the food industry and associated fields. Further to developing a career as an employee, you can also consider setting up your own business venture and use your skills, knowledge and understanding of the ever expanding sector.

£172 bn

The UK spends £172 billion annually on food and drink.

Food Technology and Product Development

BSc (Hons)

*Subject to validation

Fs

Fact File

BSc (Hons):

UCAS code: D633

Duration: Four years

Modules:

harper.ac.uk/17ftpd



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

The variety of food and drink available to us is continually increasing in its quality, diversity, and interest. This course will help you develop the skills to be at the heart of the food development process adding value to a complex and exciting food industry. You will learn about the range of ingredients available to the food industry, how these ingredients are sourced and how they react together to form some of our most familiar foodstuffs.

You will learn to develop food that can be transported through a sophisticated supply chain whilst retaining its quality for today's discerning consumer, learn about commercialising products, being able to reconcile the conflict between adding value and the cost of a product, and the importance of a clear business strategy to support this. If you wish you will be given the opportunity to enter new product development competitions and start your own food business with the support of Harper Adams expertise to guide you.

What you study

All Food students share a common first year, studying the same modules. In your second and final years you will focus on your chosen specialism. You will study subjects such as food creativity, styling and photography, food product development and sensory evaluation, retail environment and operations as well as European food innovation and trade and consumer behaviour.

You will become familiar with the scientific properties of different food elements and compositions, be able to experiment with foods to develop your understanding of how ingredients behave when processed in different ways and to design and create your own food and drink ideas for development to become confident in working creatively with food.

Full details of modules can be found here:

harper.ac.uk/17ftpd

Work placement

In the third year you will have the opportunity to gain first-hand experience through the work placement. You will build on theory learned in the classroom and acquire valuable practical skills. Work placement can take place in the UK or abroad and it is usually paid. It is a good opportunity to try areas and aspects of the food industry before becoming a qualified professional.

Careers

Students will have the opportunity to develop excellent food industry knowledge in a subject area recognised by the industry for employment in a wide range of food careers both in the UK and abroad. Opportunity for regular travel is significant as many ingredients are sourced from across the globe.

Our graduates have an excellent employability rate and record, many being offered graduate jobs whilst on placement. The high level

of skill and specialist knowledge makes graduates from this course uniquely prepared for food technical, auditing and processing roles.

Graduates can expect to be involved in the decisions necessary to manufacture, develop and improve food and drink products in a dynamic and fast paced environment.

Food technologists are at the centre of product design, formulation, food safety and quality assurance in the food industry.

Food and Public Health Nutrition

BSc (Hons)

*Subject to validation

Fs

Fact File

BSc (Hons):

UCAS code: D6B4

Duration: Four years

Modules:

harper.ac.uk/17fphn



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The course

This course is concerned with promoting and maintaining the nutritional health of populations through understanding the links between diet, lifestyle and health. Through this degree course you will learn about the key nutrition-related issues challenging the future of food supply and develop the skills and competencies to address these from a public health nutrition perspective.

BSc/BSc (Hons) Food and Public Health Nutrition at Harper Adams is designed as a multi-disciplinary degree course that includes both theory and applied approaches to the subject including a relevant work placement undertaken in your third year.

What you study

All Food students share a common first year, studying the same modules. In your second and final years you will focus on your chosen specialism. Core subjects include public health nutrition, integrated marketing communications, and project management as well as communications for public health nutrition and global nutrition, and health. The course is structured to cover key issues in public health nutrition while considering how these issues can be addressed via health promotion. Addressing the identified issues will look at channels of communication for targeting the population as well as the individual.

Full details of modules can be found here:

harper.ac.uk/17fphn

Work placement

Gain first-hand experience and develop the personal skills and characteristics needed to work with others during your placement year. Employment may be in food manufacturing and processing, consumer organisations, governmental authorities, food retail and food service as well as food ingredients.

Placement employment is usually paid and positions may be taken in the UK or abroad.

Careers

Graduates can expect to find job opportunities in roles such as food and nutrition policy, food industry management, health promotion, consumer advisor and food service management.

This course gives you the opportunity to develop the multi-disciplinary skills and strategies to address wide-ranging nutritional problems in society, equipping you for employment in the public sector, the food industry and non-governmental organizations (NGOs) concerned with food and nutrition issues. Alternatively you may choose to pursue postgraduate education.



The Regional Food Academy offers a variety of facilities.

Food Sustainability Management

BSc (Hons)

*Subject to validation

Fs

Fact File

BSc (Hons):

UCAS code: See ucas.com

Duration: Four years

Modules:

harper.ac.uk/17fsm



Typical entry requirements: p148

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

Sustainability is one of the core challenges facing business, governments and our wider societies. This degree provides a comprehensive overview of the interdisciplinary field of sustainability as it applies to the food sector. The course takes an international perspective from production through to consumption and how sustainability issues play out both at the local and global level.

The food sector is at the forefront of global sustainability challenges as the planet collectively strives to feed the world of more than nine billion mouths by 2050 – this course prepares the professionals of tomorrow who will meet these sustainability challenges.

What you study

All Food students share a common first year, studying the same modules. In your second and final years you will focus on your chosen specialism. Core subjects covered will be sustainable supply chain management, sustainable marketing and communications, food policy and ethics, urban food security, new product development, managing and understanding environmental and resource issues, sustainability tools such as Life Cycle Analysis and Environmental Impact Assessments, project management and working in multicultural settings, sustainability reporting and corporate responsibility. The course is structured to cover key concepts and theory and is taught using real world case studies to understand

the challenges of implementing sustainability management practices across food supply chains.

The course will address sustainability as it impacts both major corporations and small and medium-sized enterprises. Addressing sustainability issues is increasingly being seen by the business world as an opportunity to create shared value, to lower costs, differentiate products and services and as a source for innovation. It also concerns investors – 75 per cent of the world's 250 largest companies acknowledge risks to their business from environmental and social 'megaforges', such as resource scarcity and climate change.

Full details of modules can be found here:
harper.ac.uk/17fsm

Work placement

You will gain first-hand experience in an area of your choice through the work placement element of this course. You will have the opportunity to develop knowledge learned in the classroom and to acquire valuable practical skills. Work placement is a good opportunity to try areas and aspects of the food industry before becoming a qualified professional.

Careers

The course allows students to develop both the conceptual understanding and technical skills to prepare them to work as sustainability professionals in food-related sectors from business, NGOs or government.

9bn

There will be an estimated nine billion people to feed by 2050.

Geography



Our **Shropshire** location offers a wealth of natural resources to study

Practical **field** skills are an important element of this course

Good **employment** prospects

Course Manager:
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harper.ac.uk/irvin

The Geography and Environmental Management degree is an exciting new addition to Harper Adams' range of environmentally based courses.

This course will appeal to students who wish to undertake a course with a mix of academic and practical skills, in key areas such as climate change, pollution, sustainable development and environmental management. Based in Shropshire, there is a wealth of natural resources ideal both for studies and leisure time activities.

A defining feature of this course is a fully embedded and supported one-year work placement period which will prepare you for a successful career in a wide range of industries and provide you with knowledge, understanding and transferable skills, enhancing your career opportunities.

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information
on Geography courses
scan the QR code*

Geography and Environmental Management

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: F8D4

Duration: Four years

Modules:

harper.ac.uk/17gem



Typical entry requirements: p148

Course specific costs

This course includes a compulsory seven-night residential field courses in the first year of study which costs £50. BSc (Hons) students also undertake a five-night field course in their final year at a cost of £30. A residential European field trip in your second year will cost from £200 to £250. These figures are based on 2015/16 costs, which may rise in subsequent years. Our online

Fees and Charges booklet provides a guide to costs for equipment, field trips and other course specific expenses.
harper.ac.uk/money

The course

This Geography and Environmental Management focused course is multidisciplinary in nature and will introduce you to elements of environment, society and economy before moving on to topics such as sustainable development and environmental management.

You will gain practical knowledge of geographic information systems (GIS) applications and will develop a detailed understanding of environmental planning legislation, waste/resource management issues and environmental management.

Practical field skills are an important element of this course and you will benefit from a residential field course in the UK during your first and fourth year of study. Year two students will undertake a residential field expedition to a European location.

Final year students will be given the opportunity to develop an independent research project on a geographical/environmental topic of their choice; they will also learn about specialist current topics such as sustainable energy.

What you study

This course will develop student skills and knowledge in the following core areas;

- Introduction to the natural environment
- Introduction to geomorphology
- Environmental monitoring
- Rural geography and economics
- Geography field skills (residential field trip)

- Social geography and sustainable development
- Climate change, mitigation and adaptation
- Waste and resource management
- Environmental quality and protection
- Geographical information skills and land use
- Landscape development and assessment
- Food security and sustainable food production

Work placement

To support the taught elements of this programme, all students will undertake a supported year-long industrial placement, working in a course-relevant environment with possibilities in both the UK and overseas.

The one-year work placements are organised and managed through a dedicated placement unit at Harper Adams, who will help you to find a placement within a geography / environmental organisation

This generates excellent applied knowledge of key course areas and improves employment prospects and the acquisition of real world experience.

Careers

Geography has been identified as one of ten recession proof degree subjects and graduates from this degree course can expect to gain employment in a variety of sectors, including graduate entry into many

organisations; they will also have the transferable skills necessary for a wide range of alternative roles in public services, environmental consultancy and importantly, areas such as renewables, energy, waste recycling, development and sustainability and society/community related careers.

10

Geography has been identified as one of ten recession-proof degree subjects.



Rural Estate, Property and Land Management

Rm

Ri

Em

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Cm

We are accredited by **RICS**, the Royal Institution of Chartered Surveyors

Great **employment** prospects

Gain invaluable experience during the year-long work **placement**

Course Manager:

Simon Keeble
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harper.ac.uk/keeble

Who studies rural estate, property and land management courses?

Those who are interested in estate/property and land management and a desire to work in an exciting, dynamic industry study these courses. If the prospect of dealing with rural, commercial or residential property appeals to you, you have come to the right university. There are currently around 300 'Realemies', as students studying land management courses are affectionately known here, and that figure is rising steadily.

RICS and Harper Adams – working together

We are accredited by the Royal Institution of Chartered Surveyors and students are encouraged to qualify as RICS Rural Chartered Surveyors. Chartered surveyors offer knowledge, skills and advice all around the world on a range of property issues.

RICS only approves and accredits a certain number of courses as having the requisite quality and academic rigour to be a route of entry into the profession and Harper Adams was one of the first institutions to sign a 'University Partnership' agreement with the Institution that recognises the quality of education an aspiring chartered surveyor will receive at the university. For more information on RICS visit

www.rics.org/uk

CAAV

Many graduates also go onto become Fellows of the Central Association of Agricultural Valuers. This is a specialist professional body representing and briefing over 2,600 agricultural valuers across the country. Agricultural valuers practice in a diverse range of agricultural and rural sector work. This can include providing advice to owners, landlords and tenants on the value of their assets, tenancy matters, sale and purchase, taxation, compulsory purchase, auctioneering, conservation matters and farm business management.

www.caaav.org.uk



Two routes to choose from

We offer two BSc (Hons) courses: Rural Enterprise and Land Management (REALM), and Rural Property Management (RPM). Students on these courses share a common curriculum for the first two years, studying the same modules, before spending their third year on placement. In the fourth (final) year students take different modules appropriate to their course. The REALM course is geared toward those aiming for careers in the professional services as registered valuers, auctioneers, or working with compulsory purchase. RPM will appeal to those interested in estate management, property development and diversification. Please refer to the course pages and the website for further detail on course content and careers.

Staff

The department is staffed by a number of chartered surveyors as well as a chartered forester, a chartered builder and a town planner. Harper Adams staff regularly present papers at the RICS Rural Research Conference and COBRA, the world's leading annual construction, building and real estate conference. Many also teach in industry through the short courses Harper Adams offers, including a range of RICS professional courses.

Field trips

Field visits are not only a great way to see theory being practised in reality but are very enjoyable too, and a good way to meet people working in the field. For instance, students may visit farms or estates to learn about applied valuation and tax, historic house management and surveying, and estate strategy.

Recent venues have included:

- Shugborough and Attingham Estates to learn about the construction and surveying of historic buildings.
- Howle Manor Farm whilst studying applied valuation and tax.
- The Longner Estate, for historic house management, estate strategy, succession and taxation.
- Wolverhampton's new Jaguar Land Rover factory site to see large construction projects in action.
- Apley Estate's redundant farm buildings.
- Property and estate advisors including Smiths Gore, Fisher German and Andrew Dixon and Co.

Careers

Opportunities in this field are strong. The latest graduate employment for REALM students was 97%*. The vast majority of students graduating with a degree in REALM or Rural Property Management go on to work as surveyors or land agents, and are in great demand, particularly having gained a year of work experience during their placement period.

Rural practice surveyors or land agents get involved with four main areas of work:

- **Estate management:** The management of country estates, farms, woodlands and rural property. This may include estate strategy, taxation, managing the country house, in-hand farms, let farms, cottages, building repairs, woodlands, shooting, fishing, collecting the rent roll and arrears, liaising with tenants, development, commercial property, diversification and entrepreneurial activities such as nurseries, open day events, country sports and theme parks.
- **Professional: Professional work includes:** Property valuations, rent reviews, farm diversification, tenant right valuations, stocktaking valuations, planning permissions, conservation, woodland management, taxation, compulsory purchase for motorways, pipelines etc., rural and urban development schemes such as out-of-town shopping, and residential and commercial development.
- **Agency:** The selling, buying or letting of farms, land, large houses, cottages, woodlands, livestock, shooting and fisheries/fishing rights, chattels, antiques and commercial properties such as offices, warehouses, shops and leisure properties such as golf courses, hotels, bed and breakfast, wind farms and caravan sites.
- **Specialisms:** Examples of specialist careers include auctioneering, providing advice on energy, working on film sets, and in the leisure industry (e.g. with hotels).

*Higher Education Statistics Agency 2014

*Subject To Validation

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



For more information on *Rural Estate, Property and Land Management* courses scan the QR code

Rural Enterprise and Land Management (REALM)

BSc (Hons)

*Subject to validation

Rm

Fact File

BSc (Hons):

UCAS code: DNK2

Duration: Four years

Modules:

harper.ac.uk/17realm



Typical entry requirements: p149

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The course

This course provides the higher education and skills needed by a modern manager of rural land and enterprise.

REALM uses rural assets economically to achieve clear business objectives. It is an ideal course for aspiring rural practice chartered surveyors, and those with an interest in managing the countryside in a business context, and in estate management, agriculture, diversification, sustainability and renewable energy.

REALM graduates will be prepared to progress to Registered Valuer Status and are more likely to be employed in the provision of valuations, professional services and in some instances, auctioneering services.

What you study

This course shares a common first and second year with the RPM course as both are aligned to the Rural Pathway of the RICS Assessment of Professional Competence. Students will specialise in the final year, post placement, with core modules covering business and residential tenancies and land law, advanced valuation and farm business management. Optional modules will allow you to consider agricultural trade policies globally, auctioneering, sustainable forestry and forestry products, renewables and infrastructure.

Full details of modules can be found here:

harper.ac.uk/17realm

How you study

You will be assessed partly on coursework and applied work such as solving real-life client problems.

The final year dissertation will allow you to develop an in-depth understanding of a chosen topic. A typical week will include around eight hours of lectures and eight hours in seminars and practical sessions or on site/farm visits.

Accreditation

The course is approved by the RICS and concentrates on the rural pathway but students can follow residential, commercial or other routes. RICS candidates must go on to complete the RICS Assessment of Professional Competence (APC), which involves two years of structured work experience, training and assessment.

The placement year usually counts as the first APC year; the second is undertaken after graduation.

Work placement

Placement will give you invaluable experience in your chosen area of work. It may be working with a national firm such as Carter Jonas, Savills, Strutt and Parker, Smiths Gore, or with a local firm such as Fisher German, Halls, Berry's or Balfours.

Alternatively, you may choose to work on a large traditional estate such as Buccleuch, Chatsworth, local authorities or the National Trust.

Students who have performed well have often been offered a job when they graduate.

Careers

Rural practice chartered surveyors are to be found working in:

- Professional firms providing a range of land management services
- Central and local government, providing advice to farmers and landowners managing country parks and country smallholding estates
- The management of rural land and property for bodies as diverse as the RSPB, English Nature, national parks and water and mineral companies
- Traditional estates as resident land agents
- Overseas for a firm of surveyors or advisers

Other careers graduates have chosen include: commodity trading, farm management, accountancy, and the armed services.

Rural Property Management

BSc (Hons)

*Subject to validation

Rm

Fact File

BSc (Hons):

UCAS code: D440

Duration: Four years

Modules:

harper.ac.uk/17rpm



Typical entry requirements: p149

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The course

Rural Property Management prepares students to manage rural estates and all their diverse assets. Students will learn about maintaining and developing estate property and managing agricultural, residential and commercial tenancies.

Students will also learn development and marketing skills enabling them to diversify and enhance rural estates to grow their income stream.

What you study

This course shares a common first and second year with the REALM course as both are aligned to the Rural Pathway of the RICS Assessment of Professional Competence. Students will specialise in the final year, post placement, with core modules covering strategic estate management, property development, events management and diversification. Optional modules will allow you to consider the conservation of historic estate assets, the provision of renewable energy or to study how rural property is managed internationally.

Full details of modules can be found here:

harper.ac.uk/17rpm

How you study

You will be assessed partly on coursework and applied work such as solving real-life client problems.

The final year dissertation will allow you to develop an in-depth understanding of a chosen topic. A typical week will include around eight hours of lectures and eight hours in seminars and practical sessions or on site/farm visits.

Accreditation

The course is approved by the RICS and concentrates on the rural pathway but students can follow residential, commercial or other routes. RICS candidates must go on to complete the RICS Assessment of Professional Competence (APC), which involves two years of structured work experience, training and assessment.

The placement year usually counts as the first APC year; the second is undertaken after graduation.

Work placement

Placement will give you invaluable experience in your chosen area of work. It may be working with a national firm such as Carter Jonas, Savills, Strutt and Parker, Smiths Gore, or with a local firm such as Fisher German, Halls, Berry's or Balfours.

Alternatively, you may choose to work on a large traditional estate such as Buccleuch, Chatsworth, local authorities or the National Trust.

Students who have performed well have often been offered a job when they graduate.

Careers

Rural Property Management graduates are likely to progress to positions in the management of rural property, estates and land, often within a firm of chartered surveyors specialising in this work or in some instances as a resident agent on a larger estate.



“The rural sector is strengthening and growing; now is the time to get involved within it.”

Vicky Stark, graduate

Veterinary Nursing

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Harper Adams is a veterinary nurse approved **training** centre

Fs

Ac

Our range of full and part-time courses is **accredited** by the Royal College of Veterinary Surgeons

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Rm

Pl

Having gained real life experience during their **placements** our VN graduates are confident and highly employable

Cm

Course Manager:
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Who studies veterinary nursing?

Veterinary nurses (or VNs as they are often known) work with veterinary surgeons to provide animal care. Most work within a veterinary surgery or hospital. In general practice, their work often includes providing client advice, carrying out minor surgical procedures, diagnostic tests and medical treatments under veterinary direction by a vet, as well as the nursing care of in-patients. Some nurses go on to work in referral centres, where they may specialise in a chosen area of clinical nursing, or become Clinical Coaches overseeing the training of students. Others may go on to become head nurses or practice managers ensuring the smooth day to day running of the surgery or hospital. If you are considering these courses you will obviously need to have an interest in animals, and a desire to work with them in a practical hands-on way, while also learning the theory behind the practice.

Do I need experience of working with animals?

Yes. As these courses are highly vocational you must have had experience in a veterinary practice to be considered for a veterinary nursing course. For all courses your practical experience should preferably include both large animals (farm livestock or horses) and companion (pet) animals. You will need to have two weeks relevant work experience before your interview (within an 18 month period) and four weeks in total.

Obviously we don't expect you to have worked with every species, but the more experience you have acquired by the start of the course, the more meaningful the lectures will be and the more you will get out of your studies.

Careers

Harper Adams veterinary nursing graduates are highly employable. They have the skills that enable them to do the job from day one, including good technical knowledge, a hands-on approach, experience gained during placement and good interpersonal skills. As well as working in veterinary surgeries and animal hospitals VNs can also work in laboratories, zoos, the pharmaceutical industry, education, wildlife centre management and animal welfare organisations such as the RSPCA.



VN staff

As a veterinary nursing student you will be part of the wider animal sciences department. As well as veterinary surgeons and nurses, you will benefit from the knowledge of animal scientists specialising in physiology, nutrition, behaviour, welfare and molecular biology. Lecturers are well supported by laboratory and farm-based technical staff with a wealth of experience and hands-on skills.

Accredited by the Royal College of Veterinary Surgeons

Veterinary nurses must meet competencies and skills set out by the RCVS, and we ensure that the required criteria are built into our courses to fully equip you for the workplace.

www.rcvs.org.uk

***Subject To Validation**

The University works hard to ensure that all of our courses are as current and forward looking as we can make them. At the time of going to print (January 2016) we were in the final stages of completing a review of courses for 2017 so many were still subject to final validation. Whilst the prospectus provides a general introduction to each course we strongly recommend that you use either the QR code or web link to go to our website and look at the full and most up to date information about the course.



*For more information on
Veterinary Nursing courses
scan the QR code*

Veterinary Nursing

BSc / BSc (Hons) *Subject to validation

Veterinary Nursing

Veterinary Nursing with Rehabilitation Therapy

Veterinary Nursing with Companion Animal Behaviour



Fact File

BSc (non-honours):

UCAS code: See ucas.com

Duration: Three and a half years

Modules:

harper.ac.uk/17vn



BSc (Hons):

UCAS code: See ucas.com

Duration: Four years

Typical entry requirements: p149

Alternative courses:

If you are already RVN qualified through a non-degree route you may be interested in the Diploma in Advanced Veterinary Nursing (page 81) or in topping up to a BSc or BSc (Hons) Veterinary Nursing (with Advanced Standing) (page 80).

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The courses

There are increasing employment opportunities within veterinary nursing and the animal health industry.

Because of the vocational nature of the course, the content is a balance between practical work (vital to gain the necessary experience to become a qualified nurse) and the intellectual skills needed for a degree. You will learn practical skills at Harper Adams via short block release completed during vacations and during the work placement year.

What you study

Students on these courses share a common curriculum for the first two years, studying the same modules, before spending their third year on placement. The main focus of the first three years of the course is to equip students with the day one skills and competences required by the RCVS in order to practice as a Registered Veterinary Nurse (RVN). Subjects will include veterinary physiology, professional skills of the veterinary nurse, companion animal management, anaesthesia and surgery, medical nursing, diagnostic imaging and disease diagnosis.

In the final year all course will share a number of common subjects such as anaesthesia, critical care and surgical techniques.

The specific Honours pathways will then allow students to specialise in their chosen field of study.

Students undertaking the Veterinary Nursing with Rehabilitation Therapy pathway will study rehabilitation of the veterinary inpatient, whereas

students on the Veterinary Nursing with Companion Animal Behaviour pathway will study diagnosis and treatment of behavioural problems.

Those undertaking the honours degree in Veterinary Nursing will study companion animal life care and exotic animal health and nursing.

For students on the honours degree courses completion of an Honours Research Project will allow them the opportunity to more fully explore an area of veterinary nursing that is of particular interest.

Full details of modules can be found here: harper.ac.uk/17vn

Accreditation

Harper Adams' courses are approved by the Royal College of Veterinary Surgeons and the requirements for gaining the RCVS Veterinary Nursing Licence to Practice are written into the course structure, so you will not only have the skills and rights of a registered veterinary nurse but also those skills provided by an honours degree in science. Graduates in Veterinary Nursing will receive the Licence to Practice at graduation and will be able to register with the RCVS as a qualified veterinary nurse.

Work placement

To obtain the nursing qualification a minimum of 2100 hours is spent working in a registered veterinary nurse training practice, both as short block release and during the sandwich year. This hands-on experience complements the applied animal health, nursing, business and welfare sciences studied at Harper Adams.

Careers

Veterinary nursing is a career with lots of job satisfaction and there is a strong demand for registered veterinary nurses. Although the majority of RVNs work in general practice there are increasing opportunities for specialisation into different areas, such as patient rehabilitation and companion animal behaviour. Although primarily a companion animal qualification, the degree offers modules for those interested in other species, increasing the job opportunities available upon graduating.

The pharmaceuticals industry employs trained veterinary nurses. The degree also opens the door to wider opportunities concerning the health and welfare of animals.

Veterinary Nursing (with Advanced Standing)

BSc (Hons)

Vn

*Subject to validation

Fact File

BSc (Hons):

UCAS code:

Direct application to Harper Adams

Duration: Part-time, up to five years

Modules:

harper.ac.uk/17vnas



Typical entry requirements: You should be a qualified veterinary nurse with a minimum of one year's post-qualification experience in

veterinary practice. An offer of a place will also depend on a successful interview and short assessment. Apply directly to Harper Adams. Contact programme manager, Susan Howarth, or Admissions. Contact details on page 160.

Alternative courses:

For qualified veterinary nurses: Dip Advanced Veterinary Nursing

For unqualified veterinary nurses: BSc/BSc (Hons) Veterinary Nursing (page 79)

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable. harper.ac.uk/money

The course

This degree is only for currently qualified veterinary nurses who wish to 'top-up' their vocational qualification to an honours degree. As many potential applicants will be working full or part-time, this degree will be delivered by blended learning - a combination of short (one or two-day) periods of attendance at Harper Adams and distance learning.

Although it is the equivalent of two full-time academic years, students study on a part-time basis and generally achieve their qualifications within four years.

What you study

In the early part of the course some modules are core; these are both essential study areas and modules appropriate to higher level education. Optional modules are available in both year levels to allow you to explore special interest areas and give you the opportunity to gain extra skills. The first 120 credits plus an integrated assignment can lead to the RCVS Diploma in Advanced Veterinary Nursing (Dip AVN).

Full details of modules can be found here:

harper.ac.uk/17vnas

Work placement

No formal placement time is required for the honours degree, but some time in appropriate practice will be needed to qualify for the Dip AVN (see page 81).

Careers

Continuing Professional Development (CPD) is important for all professionals. Advancing your current skills and developing new ones leads to increased job satisfaction and wider career opportunities.

1yr

This course is for qualified veterinary nurses with at least one year's post-qualification experience in veterinary practice.

Advanced Veterinary Nursing

Dip AVN

*Subject to validation



Fact File

BSc (Hons):

UCAS code:

Direct application to Harper Adams

Duration: Part-time, up to five years

Modules:

harper.ac.uk/17avn



Typical entry requirements: You should be a Registered Veterinary Nurse with a minimum of one year's post qualification experience in veterinary practice.

An offer of a place will also depend on a successful interview and short assessment. Apply directly to Harper Adams. Contact Programme Manager, Susan Howarth, or Admissions. Contact details on page 160.

Top up available:

Following the Dip AVN you may be eligible to upgrade your qualification to a BSc (Hons) Veterinary Nursing (page 79) through our top-up course. For a

BSc you would need a further 45 academic credits, and 105 credits for the honours degree. Some study will be at Harper Adams on one or two-day mini-blocks, but much will be through distance learning.

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable. harper.ac.uk/money

The course

This diploma is intended only for veterinary nurses who are already qualified and have worked in veterinary practice for at least a year since qualification, but want to advance and develop their skills.

The diploma can be taken as a stand-alone qualification or students can use the diploma as part of a BSc or BSc (Hons) degree.

Earning this diploma should take the equivalent of just over one full-time academic year, but it is anticipated that applicants will study on a part-time basis while continuing in employment. Most will study over two to three years.

The course will therefore be delivered by blended learning which will include short block study sessions at Harper Adams (a maximum of two days a month) and distance learning through paper delivery and the online Learning Hub.

If not already working in a suitable practice you will be required to spend some time in practices with specialist facilities (which will vary depending on the choice of optional modules): at least 12 weeks for each specialist module studied. The integration of relevant clinical

experience with the lectures, seminars, practical classes and distance learning material will enhance the experience, giving you an opportunity to practise the theory being discussed.

What you study

Full details of modules can be found here: harper.ac.uk/17avn

Accreditation

This course is accredited by the Royal College of Veterinary Surgeons (RCVS). Registered Veterinary Nurses studying this programme who register with the RCVS and work in appropriate veterinary practices for the period required during the specialist clinical modules will be awarded the RCVS Diploma in Advanced Veterinary Nursing upon completion.

Careers

Continuing Professional Development (CPD) is important for all professionals. Advancing your current skills and developing new ones leads to increased job satisfaction and wider career opportunities.

Veterinary Physiotherapy

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This highly **vocational** degree equips you with the hands-on skills and knowledge to practice as a veterinary physiotherapist

The degree is recognised by the **National** Association of Veterinary Physiotherapists

Practitioners need to enjoy working with **people** as well as animals

Course Manager:

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Who studies Veterinary Physiotherapy?

The Veterinary Physiotherapy degree is of interest to students who are passionate about caring for animals, and enjoy interacting with animal owners, the veterinary profession and others involved in the care and treatment of animals. Physiotherapists analyse and assess animals' posture, movement and locomotory function, and treat musculoskeletal problems such as muscular damage, back pain, fractures, some neurological conditions and sporting injuries. Physiotherapy can also help animals recover following surgery, and enhance working or athletic ability. Physiotherapists often work with a range of animals, from horses to dogs, cats and occasionally livestock. Physiotherapy techniques include massage, stretching, electrotherapies, specially tailored exercise programmes, and rehabilitation. Therapists work closely with veterinary surgeons, trainers and, of course, animal owners.

The course

This four-year degree course is highly vocational and will give you a vital combination of academic theory and practical, applied skills. The course includes clinical rotations in the final year which will give you valuable career skills and the opportunity to meet professionals working in the field. The year-long placement in third year gives you hands-on experience with a variety of animals, and the opportunity to develop the empathy, confidence and practical skills required of working veterinary physiotherapists.

Do I need experience of working with animals?

Yes, you need to have a minimum of four weeks practical experience with a range of animal species, but particularly horses and companion animals, although experience handling livestock will also be beneficial. This experience must be hands-on and not just observing others work. You might, for instance, get some experience with horses at a riding school or livery yard, a competition/ race/rehabilitation yard or stud, or if you have sole responsibility of managing your own or someone else's horses. On the canine side you could seek experience in a commercial/ hunt kennels, grooming parlour, hydrotherapy centre, veterinary practice where time is spent working in the inpatient kennels area, or dog-walking business. Owning your own dog does not count. In terms of other animals and livestock time spent in a veterinary practice (small animal and equine/farm) will give you an insight into the type of cases that might be suitable for physiotherapy. Time spent with a veterinary physiotherapist, chiropractor or osteopath would also give a useful insight into the profession.

Staff

The BSc (Hons) Veterinary Physiotherapy course is led by course manager Carole Brizuela, a senior lecturer and veterinary surgeon who is supported by a large team of veterinarians and animal specialists, including two dedicated veterinary physiotherapy lecturers, Beth Roberts and Helen Morrell.



Careers

This field of work is growing quickly and offers a highly rewarding and interesting career. Currently the majority of veterinary physiotherapists work independently, setting up their own business and providing a service to a local group of veterinary surgeons and animal owners. You will need to be motivated to work for yourself and be prepared to spend time building up your client base which is often by word of mouth. Some veterinary physiotherapists specialize in either equine or small animal treatment, but the course is designed to allow the transfer of skills to the majority of the domestic animals and some physiotherapists are even called upon to treat zoo animals. Some veterinary physiotherapists work alongside veterinary surgeons within specialized referral vet practices and hospitals in the treatment of animals particularly post-orthopaedic surgery. Veterinary physiotherapists must only treat animals following veterinary referral.

Accreditation

This undergraduate programme is recognised by the National Association of Veterinary Physiotherapists. The NAVP are an organisation of animal physiotherapists who provide mentoring, assistance and Continuing Professional Development. They are also involved with the delivery and clinical teaching on our MSc course. Further information regarding the association can be found at www.navp.co.uk.

Teaching and assessment

You'll be taught through formal lectures, seminars, tutorials, practical exercises, laboratory sessions, study visits, clinics and the use of guest speakers. As the course is highly vocational in nature there are many practical skills to be learnt and then honed in the clinics of the fourth year.

In addition to the taught sessions you will be expected to undertake further study in your own time, complete tutorial exercises, written assignments and exam preparation. Each module you study is assessed through a combination of written or oral individual assignments, group projects, and summative written examinations as is the norm for most university courses. This course, as with other clinical taught courses, also uses practical competency tests (OSPEs/ OSCEs) to assess your ability to carry out practical tasks that are relevant to the veterinary physiotherapist.

The requirements for entry to NAVP membership include successful completion of the course and of the Skills Enhancement Log (SELs) which are a record of competency of practical skills focused on Veterinary Physiotherapy.

***Subject To Validation**

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*For more information on
Veterinary Physiotherapy
courses scan the QR code*

Veterinary Physiotherapy

BSc (Hons)

*Subject to validation



Fact File

BSc (Hons):

UCAS code: D31A

Duration: Four years

Modules:

harper.ac.uk/17vp



Typical entry requirements: p149

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.

harper.ac.uk/money

The course

This undergraduate programme is recognised by the National Association of Veterinary Physiotherapists. It will provide the knowledge and skills for you to become a veterinary services professional and work closely with veterinary surgeons.

Physiotherapy following veterinary referral can help animals recover from a variety of conditions such as back pain, sprains, strains, fractures and sporting injuries. It can also be used following orthopaedic, neurological or general surgery, as well as improve biomechanics and athletic ability.

As such its use within the veterinary field is increasing. Animals can undergo a wide range of treatments including manual techniques, electrotherapies and exercise therapy.

What you study

In the first year you will study modules that provide the underpinning knowledge you need to work with animals. You will also study some physiotherapy techniques including massage and hydrotherapy. In the second year you will be studying the underpinning science required to work as a veterinary physiotherapist, including anatomy, biomechanics and locomotion and musculoskeletal injuries.

Also included in second year is more teaching of physiotherapy skills and knowledge including the electrotherapeutic modalities and exercise prescription. The final year will include clinics and teaching to further your knowledge in the field

of veterinary physiotherapy and animal health plus the honours research project.

Full details of modules can be found here:

harper.ac.uk/17vp

Accreditation

Successful completion of the course will allow entry to the National Association of Veterinary Physiotherapists.

Find out more about the association at www.navp.co.uk

Work placement

This course will provide you with the opportunity to work closely with animals during a year-long placement during the third year, supervised by Harper Adams. The placement will help you develop practical competences and build confidence as you enhance your interpersonal skills. This is augmented by further clinical placement during your fourth year, when you will work alongside an experienced veterinary physiotherapist, to hone your physiotherapy competences in preparation for your chosen career.

Careers

Veterinary physiotherapists work alongside veterinary surgeons and nurses within vet practices and hospitals in the treatment of animals. A number of physiotherapists work closely with the equine sports industry within racing or other sporting disciplines. Others work independently, setting up their own businesses working with horse and dog owners.

4wks

You will need four weeks relevant work experience, two weeks of which must be completed before your interview.

Extended Foundation Degree Programme (EFDP)



The course begins with a **Year 0** to prepare you for higher level study

There are **four** entry routes to choose from: agriculture, countryside, animal studies and business

You will spend a year on **placement**, working in industry

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Do you want to study for a degree but don't have the right qualifications? Or maybe you want to return to study after a few years in the workplace or raising a family?

Then the Extended Foundation Degree Programme (EFDP) could be just what you're looking for. In their first year (referred to as the preparatory year or year 0) students choose one of four entry routes, before progressing onto a full foundation or bachelor's degree. It's a great option for students without traditional qualifications.

***Subject To Validation**

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For more information on Extended Foundation Degree Programme (EFDP) scan the QR code

Extended Foundation Degree Programme (EFDP)

Ex

*Subject to validation

Fact File

UCAS codes:

Agriculture: D407

Countryside: D497

Animal Studies: D393

Business: N1N5

Modules:

harper-adams.ac.uk/17efdp



Duration:

FdSc: Four years

BSc (Hons): Five years

Typical entry requirements: p149

Course specific costs

Our current online Fees and Charges booklet will provide a guide to costs for equipment, field trips and other course specific expenses where applicable.
harper.ac.uk/money

The EFDP is ideal for students over 17½ upon beginning the course who want to study in higher education but choose not to go down the 'usual route' of studying A-levels or National Diplomas. If you progress on the foundation degree (FdSc) you will spend a total of four years full-time at Harper Adams (three years of study plus one year on work placement). Students who achieve exceptional results after the preparatory year of the programme will be able to transfer onto a bachelor's degree (BSc) in their second year (spending a total of five years at Harper Adams including the work placement).

The EFDP has a very high pass rate. The key to this success is the teaching, content and structure of the course, which is designed to support and motivate you, giving you the skills and confidence to reach your goals.

Assessment

Assessment is via a balance of coursework and examination. Weighting is typically 50 per cent course work and 50 per cent exams, although certain modules, such as Academic Skills are 100 per cent coursework assessed. Environmental Science and Maths Awareness are assessed 100 per cent by examination.

Entry requirements

You must have passed your GCSEs before applying. Additionally you should normally be at least 17½ years old when you begin the course. Applicants are usually expected to have eight GCSE passes at grade C or above, to include English language, maths (and science for every course except the business programme). However, we judge all candidates on their individual merits and may take other skills, qualifications and life experience into account when considering applications. Mature students without formal qualifications will need to provide evidence of their ability to pursue successfully a course at this level. This may include an academic assessment at Harper Adams, taken on interview days.

For the Agriculture route you need at least ten weeks relevant work experience. If you wish to progress onto BSc Veterinary Nursing you must have at least two weeks recent relevant work experience (i.e. working in a veterinary practice) before interview and will need to obtain a further two weeks work experience before progressing past the initial preparatory year. Students wishing to progress onto BSc REALM or RPM will need to obtain one week of relevant work experience before progressing past the preparatory year.

All courses should be applied for through UCAS.

What will I study?

Seven specially selected modules in the first year will provide you with the academic and study skills you need to prepare for the rest of your higher education qualification. There are four entry routes to choose from, each of which, upon successful completion of the preparatory year, Year 0, will lead to a foundation or honours degree, depending on the percentage mark you pass with (see table on page 91).

We have given examples of foundation or bachelor's degrees you could consider, but as long as you meet the required percentage mark, the specific work experience needed, and have studied the relevant modules at Year 0, you will be considered for many of our courses (subject to course manager's approval). Most modules are worth 20 credits and you must pass all of them (earning 120 credits) to pass the first year.

Essential skills modules

These modules are compulsory and are studied by all EFDP students. They cover the following essential skills:

- Information and communication technology
- Academic skills
- Maths awareness: numeracy and statistics



Year 0 students Rebecca Hart and Tom Coats

Specialist modules

You will also study three further compulsory modules depending on which subject you have decided to specialise in. There are four entry routes to choose from, each of which, upon successful completion of Year 0, will lead to a specific foundation or bachelor's degree in (for instance):

- Agriculture
- Animal Management and Welfare
- Business Management with Marketing
- Countryside Management

Optional modules

Choose one further module, reflecting your broader interests, from a choice of three.

The module table for each specialist route are shown on page 90.

Which is the best route for me?

Some students have a very firm idea of the job they are aiming for and will choose the entry route that will lead them onto a specific degree course. Other students have only a vague idea of the area they would like to work in – say agriculture, or animals – and so choose their entry route accordingly. Others make a decision based solely on their interests. Along the way most find they enjoy some modules more than others and they will go on to choose a degree that incorporates more of these elements, which, in its turn, will lead to a range of careers in that area.

Whichever route you choose, the skills, knowledge and experience you gain whilst studying will equip you for a wide range of careers, from very specific roles such as agronomist or vet nurse to more generic jobs such as the civil service or police force. We don't expect you to come to us knowing everything – if you are unsure of the best route to take you will receive lots of advice from lecturers, careers and support staff. Remember, there is often the opportunity to transfer between courses later on if you feel you have chosen the wrong route.

“The EFDP year gave me an excellent grounding. This is a fantastic way to get on to a degree course. I couldn't be happier.”

Olivia Muir

Modules on the Extended Foundation Degree Programme*

Specialist route	Agriculture	Countryside	Animal Studies	Business
Core modules	Maths Awareness: Numeracy and Statistics Information and Communication Technology Academic Skills			
Specialist modules	Biology	Countryside Studies	Animal Health and Welfare	Business Studies
	Environmental Sciences	Environmental Sciences	Biology	Enterprise
	Countryside Studies	Biology	Environmental Sciences	Food Studies
Optional (choose one)	Business Studies	Business Studies	Business Studies	Countryside Studies
	Engineering Studies	Food Studies	Countryside Studies	Animal Health and Welfare
	Animal Health and Welfare	Animal Health and Welfare	Food Studies	Biology

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Progression through the programme

These are suggested routes – you may transfer to other foundation / bachelor's degrees courses depending on your work experience and chosen modules, subject to approval from the course manager.

	Foundation degrees	Bachelor's degrees	Bachelor's degrees
Year 0 Specialism	With a 40% pass at Year 0 you could progress onto a foundation degree in:	With a 60% pass at Year 0 you could progress onto a bachelor's degree in:	You will need a 65% pass to transfer to:
Agriculture	Agriculture Agriculture with Mechanisation	Agriculture Agriculture with Animal Science Agriculture with Crop Management Agriculture with Farm Business Management Agriculture with Mechanisation Agricultural Engineering Agricultural Engineering with Marketing and Management Automotive Engineering (Off Highway) Automotive Engineering (Off Highway) with Marketing and Management Mechanical Engineering	
Countryside	Countryside Management	Countryside Management Countryside and Environmental Management Wildlife Conservation Geography and Environmental Management Rural Property Management	Rural Enterprise and Land Management (REALM)
Animal Studies	Animal Management and Welfare	Animal Behaviour and Welfare (Clinical Animal Behaviour) Animal Health and Welfare	Animal Production Science Bioveterinary Science Veterinary Nursing
Business	Business Management with Marketing Agri-food Marketing with Business Agri-business	Business Management with Marketing Agri-food Marketing with Business Agri-business Food Manufacture with Marketing Food Technology with Nutrition Food Business Innovation and Entrepreneurship Food Technology and Product Development Food and Public Health Nutrition Food Sustainability and Management	

Partner Colleges

Askham Bryan College

Located in beautiful countryside just outside the lively City of York, Askham Bryan College was established more than 60 years ago and has an excellent reputation for the high quality of its land based education. Our teaching staff have a wealth of experience in the land-based industries and strong links with employers.

Askham Bryan is a wonderful place to study. Doing a degree is about lots of things: enjoyment, developing and learning new skills, challenging yourself and making friends for life.

Our partnership with Harper Adams University has resulted in further expansion of our specialist expertise and study resources. The best way to find out what we have to offer is to see for yourself – please contact us to find out more.

Commitment to your future

As academic and industry standards are continually being raised, employers in the land-based sector are seeking graduates with resilience – graduates with appropriate academic, scientific, vocational and entrepreneurial skills to be immediately employable, but also with the ability to cope with future industry changes.

Our multi-million pound investment programme has continued to reshape the campus at Askham Bryan.

The first part of a three-stage plan to transform the College has seen the completion and opening of a state-of-the-art Animal Management, Wildlife and Conservation Centre at our York campus. Future developments planned will include new student accommodation, agri-tech facilities, substantial improvements to our farm buildings, and relocating and enhancing our Equine Centre.

We provide several routes into higher education. For those with A-levels or equivalent qualifications, foundation degrees can be completed in two years, studying full-time. For those without these qualifications we have the three year extended foundation degree programmes available, which include a preparatory year. Foundation degrees can be followed by top-up courses which lead to honours degrees with only one additional year of study.

There are a number of new three year honours degree programmes at Askham Bryan with direct entry for those with higher A-levels or equivalent qualifications.

The main campus at York is easily accessible, being close to major road and rail networks, and has student parking facilities. Regular buses to York, Leeds and the scenic Yorkshire coast stop near the campus. For students in the Teesside area, the Foundation Degree in Animal Management is also available at our Guisborough Centre.

► To apply for our full-time higher education courses you will need to apply through UCAS (our institution code is A70).

Askham Bryan College,
Askham Bryan, York, YO23 3FR
+44 (0)1904 772211
enquiries@askham-bryan.ac.uk
www.askham-bryan.ac.uk

Foundation Degrees Two years full-time. Part-time study is also available.

Course title	UCAS codes
Agriculture	*Subject to validation
Agriculture with Crop Production	*Subject to validation
Agriculture with Livestock Production	*Subject to validation
Animal Management	D301
Arboriculture and Urban Forestry	*Subject to validation
Canine and Feline Training and Behaviour	C865
Countryside Management	DN42**
Equine Business Management	*Subject to validation
Equine Science and Management	8T22
Horticulture and Plantsmanship	*Subject to validation
Horticulture with Garden Management	*Subject to validation
Management of Animal Collections with Conservation	D328
Sports Surface Management	K300**

BSc Ordinary and Honours Degrees Top-Up One year after Foundation/HND

Course title	UCAS codes
Applied Agriculture	*Subject to validation
Animal Conservation	*Subject to validation
Animal Management	D300**
Applied Horticulture	D415**
Canine and Feline Behaviour and Welfare	*Subject to validation
Countryside Management	D448**
Equine Business Management	*Subject to validation
Equine Science and Management	*Subject to validation
Zoo Management	*Subject to validation

BSc Honours Degrees Three years full-time

Course title	UCAS codes
Animal Management and Science	D302**
Applied Ecology and Conservation	*Subject to validation
Agriculture	*Subject to validation
Equine Science	*Subject to validation
Horticulture with Landscape Garden Management	*Subject to validation

Extended Degree Foundation Programmes Three years full-time (includes one preparatory year)

Course title	UCAS codes
Agriculture	*Subject to validation
Animal Management	D304**
Arboriculture and Urban Forestry	*Subject to validation
Canine and Feline Training and Behaviour	*Subject to validation
Countryside Management	DN4F**
Equine Business Management	*Subject to validation
Equine Science and Management	*Subject to validation
Horticulture and Plantsmanship	*Subject to validation
Horticulture with Garden Management	*Subject to validation
Management of Animal Collections with Conservation	*Subject to validation

*Subject to validation by Harper Adams University. **Subject to re-validation by Harper Adams University.

Reaseheath College

Located in the heart of Cheshire, Reaseheath is an Associate College of Harper Adams University, and offers vocational full and part-time degree courses. Our campus is set amongst 330 hectares of farm, parklands and woodlands just on the outskirts of Nantwich, with its lively student nightlife and excellent road and rail links, and is a 40 minute drive from Harper Adams.

Reaseheath is involved with rural and local communities, with an increasing number of employers and businesses from the land-based industries working in partnership with us. Our strong links with industry, staff expertise and specialist facilities will help you develop the skills and knowledge needed for your chosen career.

Depending on the course you choose, there are opportunities for study tours overseas plus additional qualifications to enhance your career prospects. Many of our students showcase their skills at shows and competitions locally, nationally and worldwide, regularly winning medals and awards for their achievements.

A fantastic environment to study

Our Halls of Residence are all based on the campus offering a choice of catered or self-catered facilities.

The main base on campus for higher education students is our dedicated Higher Education Centre, with IT facilities including wi-fi, quiet study area, social areas with café, teaching rooms and lecture theatre.

Continuing investment programme

Reaseheath's continued investment programme offers many world class, state-of-the-art facilities and resources across the campus.

Facilities include:

- New National Centre for Horticulture, the Environment and Sustainable Technology with its state-of-the-art commercial production unit with automated glasshouses, computer controlled hydroponic system and LED lighting
- College farm with a rapid exit milking parlour, elite dairy herd and award winning commercial sheep and pig units
- Equestrian centre with international indoor riding arena, outdoor ménages, round pen for natural horsemanship, American barn stabling and equine solarium
- Licensed teaching zoo housing over 125 different species of animals
- British Retail Consortium Grade A certified Food Centre with a commercial bakery, butchery and dairy processing halls home to the Eden International Dairy Academy
- Sports facilities including a Sports Science Lab, gym, high and low ropes course, indoor climbing wall and outdoor pitches

› We hold regular Higher Education Open Days throughout the year. Visit our website or contact us to find out more about our Open Days, courses we offer and student life at Reaseheath.
 Reaseheath College
 Nantwich, Cheshire CW5 6DF
 +44 (0)1270 613284
enquiries@reaseheath.ac.uk
www.reaseheath.ac.uk

Course	Full-time (years)	Part-time (years)	UCAS code
Agricultural Business, Development and Leadership BSc / BSc (Hons) top-up	1	-	D1N4
Agriculture FdSc	2	4	D494
Agriculture with Dairy Herd Management FdSc	2	4	D490
Applied Equine Behaviour BSc / BSc (Hons) top-up**	1	-	Apply directly to Reaseheath
Applied Equine Behaviour FdSc**	2	4	Apply directly to Reaseheath
Business and Events Management BSc / BSc (Hons)	3	-	3W2Q
Business and Events Management BSc / BSc (Hons) top-up	1	-	5T4R
Business and Events Management FdSc	2	-	8U7V
Countryside Conservation and Recreational Management FdSc	-	3	Apply directly to Reaseheath
Dairy Technology FdSc (subject to validation)	-	3	Apply directly to Reaseheath
Environmental Conservation and Land Management FdSc	2	-	D447
Equine Physical Therapies FdSc**	2	4	Apply directly to Reaseheath
Equine Science BSc / BSc (Hons)**	3	6	DK22
Equine Science BSc / BSc (Hons) top-up**	1	-	D422
Equine Science and Business Management BSc / BSc (Hons)**	3	4	Apply directly to Reaseheath
Equine Science and Business Management BSc / BSc (Hons) top-up**	1	-	Apply directly to Reaseheath
Equine Science and Business Management FdSc**	2	3	Apply directly to Reaseheath
Garden and Landscape Design FdSc	2	4	DK43
Horticultural Science and Production Technology BSc / BSc (Hons)	3	6	C270
Landscape Management BSc / BSc (Hons)	3	6	K320
Landscape Design and Management BSc / BSc (Hons) top-up	1	-	K300

** Subject to validation for 2017 entry. Equine courses are all validated to start in September 2016.

Applying to Reaseheath

Full-time and one-year top-up

Full-time applicants including one-year top-ups, should apply via UCAS www.ucas.com

Institution Code: H12

Campus Code: R

Part-time

Part-time applicants should apply directly to Reaseheath.

Contact 01270 613284 for an application form or apply online at www.reaseheath.ac.uk.

Topping up at Harper Adams

Those with a foundation degree from Reaseheath College may also be eligible to top-up to a full degree at Harper Adams University. Check the course pages to see which courses offer a top-up.





Teaching, learning and research

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Teaching, staff and support

One of the advantages of being a small and specialist university is that lecturers and other support staff can spend more time working with smaller groups and can get to know you as an individual, helping you learn, develop and achieve your goals. Many lecturers are also involved in research or consultancy work with industry and are well placed to pass on the latest industry knowledge, developments and practices to you.

Academic staff

Harper Adams is led by a Vice-Chancellor, assisted by a Deputy Vice-Chancellor, a Director of Learning and Teaching and an experienced senior management team.

Each of the five academic departments has a leader, known as a Head of Department. The departments are:

- Animal Production, Welfare and Veterinary Sciences
- Crop and Environment Sciences
- Food Science and Agri-food Supply Chain Management
- Land, Farm and Agri-business Management
- Engineering

Each academic department has a team of dedicated lecturers covering a wide range of specialist subjects. Visiting lecturers, researchers, technicians, and academic support staff are also on hand to help you with your studies. Most classes are taught by

lecturers although tutors will invite leading experts from industry and the professions as well as researchers to give guest sessions on their specialisms. The academic staff with whom you will probably have the most contact are your course manager and the staff who teach you. Course managers oversee the day-to-day running of your study programme and make sure you are receiving a good service.

If you have any specific queries about the course you are interested in you are welcome to contact the course managers (see page 160 for contact details).

➤ For further details about Harper Adams' academic staff visit: harper.ac.uk/staff

Quality teaching

Renowned for teaching excellence, in the National Student Survey 2015, our students praised the teaching and learning they receive from highly qualified, supportive lecturers whose classes are informed by industry experience and innovative research.

In its most recent review the Quality Assurance Agency expressed 'confidence' (the best possible result) in our courses and standards, especially the way we work with employers to develop the curriculum, and how we support your learning.

➤ See the report for yourself at www.qaa.ac.uk.

We have a good record for graduate employment and our curriculum supports the

development of real world skills. The year-long placement is central to our undergraduate courses and helps you put theory and science into real world practice.

Studying at Harper Adams

Bachelor's and foundation degrees – what's the difference?

The majority of our students are on four-year sandwich honours degree programmes (Bachelor of Science [BSc] or Bachelor of Engineering [BEng]) whilst many others are studying for three-year sandwich Foundation Science degrees (FdSc). Foundation degrees are a valuable qualification in their own right but can also lead onto entry to a bachelor's degree, subject to level of achievement. MSci integrated Master's awards and Master of Engineering (MEng) sandwich courses are generally five years long. Extended Foundation Degree Programme courses (page 86) are either four or five years long depending on whether you progress to a foundation or bachelor's degree.

All of our courses include a placement period. Students with appropriate experience can be considered for exemption from placement prior to the start of their course, although many of our students with extensive experience choose to undertake a placement because of the value it adds to a qualification.

See the table on page 100 for further detail.

Which modules will I study?

Courses are made up of modules and you must complete a certain number of them to obtain your qualification. Each module represents a specific area of study. Some are core modules that must be studied. Others are optional and on most degrees you will be able to pick from these to complete your programme of study. This structure gives you flexibility and the ability to specialise in the subjects you are most interested in.

A common first year

Students on courses within the same subject group study a broadly common first year, during which you will take similar core modules. This gives you a sound foundation in the essential topics you will need over the rest of your course. After this first year you will generally begin to study the subjects and modules specific to your course.

BSc (Hons) Veterinary Nursing students study the same modules for two years, specialising in their final year after placement.

Changing course

Because of this common first year you will have the flexibility to assess your own progress and decide, with our advice, whether you have made the right choice of course. If you wish you may be able to transfer to another course within the same subject group after the first year. It is also possible to transfer between foundation degree and degree/honours degree

courses, although you must satisfy a minimum standard and obtain the agreement of your course manager.

What happens in the classroom?

Teaching and learning includes lectures, tutorials and practical sessions. In a lecture a tutor usually explains a particular subject while you listen, perhaps ask or answer questions and also make notes. Seminars are more interactive and you can discuss subjects in small groups, so you're benefiting from other people's points of view. Students are often divided up into groups, particularly for seminars, tutorials, computer or practical sessions, to work on activities or problems to help you better understand a topic.

Field trips and visits

You will benefit from our extensive links with industry by undertaking field trips and visits to relevant businesses and specialists and through guest speakers with substantial commercial experience.

Do I study on my own?

It is an important part of higher education to work independently. First year students will have, on average, about 16 hours in class, while final year Honours students will have around 10-12 hours. A full-time student should expect to study, in total, around 40 hours a week. You will receive the support of your tutors and you will be encouraged to make use of the learning and teaching resources on campus such as the library, IT facilities and farm. The online Learning Hub supports your class-based

studies, with additional resources and activities. All our honours degrees incorporate a major research project, with an individual supervisor, to research and write about a subject of special interest to you. Many students base their project on real commercial problems encountered during placement, or on areas of interest and benefit to their career plans.

Extending from foundation degree to ordinary or honours degree (topping-up)

If you perform to the required level on your foundation degree (from Harper Adams or another reputable institution) you may be eligible to top-up by typically completing an extra:

- Year of study to gain an ordinary degree in a subject directly related to the foundation degree studied.
- One to one-and-a-third years of study to gain an honours degree in a subject directly related to the foundation degree studied.
- One to two years of study to gain an honours degree in a subject not directly related to the foundation degree studied, depending on the subject matching.

Check out the individual course pages to see if a top-up is available in the subject you're interested in.

Degree levels explained

	Extended Foundation Degree Programme	Foundation degree	Degree/honours degree
How long is the course?	Four or five years, depending on whether you progress to a foundation or bachelor's degree. The course consists of a Year 0, a work placement year, and two/three years of study.	Typically three years full-time including a placement year, or two years for those with extensive work experience.	Usually four years full-time including a placement year, or three years for those with extensive work experience.
How many modules must I pass?	8 (in year 0)	16 plus the placement period	24 plus the placement period
How academic is the course?	Year 0 of the EFDP develops students' academic skills and knowledge, to equip them to successfully compete in a higher education programme. Thereafter, you will progress to either a foundation or full degree, depending on the grades you achieve.	The foundation degree is of a similar level to 1st and 2nd year degree work. Some academic skills, such as problem-solving, are needed, typically for the sort of problems you might find in the workplace.	This provides a higher intellectual challenge, but the high-level academic skills and knowledge are applied to the world of work.
What career or postgraduate study level will it prepare me for?	At the end of the EFDP course you will hold the same qualification as a student who entered HE directly, rather than via a Year '0', and will have the same career and further study opportunities as any foundation graduate	Foundation degree holders typically enter junior management and supervisory roles or those requiring technical knowledge or professional skills, or they can top-up their award to a full bachelor's degree.	Graduates are typically recruited directly into management roles or onto management training programmes where applied problem-solving skills requiring analysis and evaluation are required. Honours graduates with a minimum level of achievement qualify for postgraduate study (e.g. a master's degree or PhD).

Supporting your studies

We're here to help you perform to your very best and get the most from your university studies.

Academic support

For academic concerns your course and academic services teams are on hand to help. It is especially important to let someone know if you think you want to change courses, so they can advise you on your next steps in plenty of time.

The Learner Support Team

The team aims to provide an integrated service for students who are disabled or have a specific learning difficulty. Qualified dyslexia tutors are available to provide appropriate support for students with dyslexia to help you develop strategies to support your learning. The learner support tutors help students to ensure that any specific needs are supported through inclusive and reasonable adjustments to teaching and assessment arrangements.

Study skills support

Help with study skills is available to all students, individually or in a group. Workshops are held at lunchtime and appointments for individual sessions can be made through the academic guidance tutors who are part of the Learner Support Team. These sessions aim to help you develop study skills which underpin success in higher education. Topics include: effective note taking, report writing, referencing, revision, and exam techniques.

Maths support

Many students lack confidence in their maths skills. The maths content of our courses varies greatly, so support is geared towards the individual's needs. In particular, help is provided for engineering mathematics and research methods (statistics) but general arithmetic and numeracy skills can be revised and practised. This support is free to all students, individually or in small groups, through the Learner Support Team.

Flexible learning

Studying for a higher education qualification doesn't have to be full-time, and at Harper Adams there are flexible ways of learning, to help you fit study around your work, family life or other commitments.

Whether you are seventeen or forty-seven, employed or leaving school, we have a range of courses that can help your career prospects, from short courses and extended foundation degrees to full honours or postgraduate degrees.

Mature students

'Mature' is a broad term but generally refers to any student over 21 on entry. You may have left school without formal qualifications but have since studied an access or foundation course, taken a distance learning or part-time course, or have other relevant qualifications or experience. Many return to higher education to change their career path, while others welcome an academic challenge or are looking for a stimulating subject to study in retirement.

We welcome applications from adult learners of all ages to join our rewarding, supportive community.

A lack of formal qualifications may not prevent you from entering higher education as we take many other factors into account when you apply. The admissions tutor will consider your experience, non-traditional qualifications (including credits from short professional courses and work-related training), your enthusiasm and drive to succeed and your ability to achieve the necessary standard.

Support

Going to university opens the door to new experiences and opportunities but like anything which has the power to transform your life it can initially be a daunting step whatever your age or circumstances. We recognise the concerns students often have and do our best to help you overcome any challenges you may face.

We have invested in information technology and online resources to help you learn more flexibly than ever. Computer literacy programmes will help you make the most of this.

Whatever concerns you have Student Services and a team of specialist support staff are here to help. For instance, a Maths Support Tutor offers help with maths, while our Financial Support Officer gives practical financial advice and our wellbeing and counselling team can provide support to those with personal concerns or anxiety.

The Extended Foundation Degree Programme (EFDP)

The EFDP is an ideal route into higher education for those who do not have the A-levels or formal qualifications for direct entry, or want to return to study after a few years in the workplace or raising a family. In essence, it is a traditional foundation or full degree programme, but with an integrated foundation year to ease you into your studies. For further details on the courses available see pages 88-91.

Learning at work

Higher education in the 21st century takes many different forms, and it is easier than ever to combine a job with higher education, through study that's part-time, convenient and relevant to you, boosting your career and your job satisfaction, and gaining valuable skills and knowledge.

Harper Adams offers an exciting range of work-based learning and short professional courses.

› harper.ac.uk/workforce

› harper.ac.uk/course

Research

There is a vibrant research community at Harper Adams, which strongly informs our undergraduate teaching curriculum.

We have a good reputation for applied research, with all of our work of international quality and more than 50 per cent either world leading or internationally excellent*.

Our research is highly applied and has a positive and practical impact on rural industries and communities at home and abroad. With sustainable food production and addressing climate change increasingly important, getting our research into the workplace where it can be used beneficially is vital.

Staff research

Studies currently being carried out by teaching staff and researchers at Harper Adams include:

- Agricultural robots to improve efficiency by detecting weeds growing in a crop and using lasers to kill them without damaging the crop.
- Designing pig diets of the future.
- Reducing discolouration in lettuce leaves in bagged salads
- Using beetle behaviour to develop biological controls.
- Cutting CO₂ emissions from combines

Undergraduate student research

Many undergraduates also have the opportunity to carry out their own research as part of their studies. For instance, Food student Becca Jarvis researched ways to prolong the shelf life of strawberry and custard tarts stocked by a leading supermarket, thus reducing waste and improving customer satisfaction, by preventing the fruit from leaking moisture into the pastry casing.

- You can read more about this project here:
harper.ac.uk/beccaj
- You'll find many more research projects detailed on Open Fields, the online research library for food, farming, the environment, energy and rural business. www.openfields.org.uk
- For research news and study opportunities visit:
harper.ac.uk/research

“It is a source of great pride that this university, which has done such wonderful work over the years, is now increasingly recognised as one of the world’s leading research and teaching universities.”

Greg Clark MP
Former Universities Minister

*The Research Excellence Framework 2014 www.ref.ac.uk

International students

Our policy of providing a caring and supportive environment is particularly extended towards international students. We hope our personal, friendly approach and intimate campus with its wide range of facilities will ensure you feel a valued member of our community.

Key facts

- Dedicated International Student Services team offers support and guidance.
- Students from around 30 different countries currently study here.
- Most international students live in halls of residence (mostly self-catered).
- Free English language classes and one-to-one support.
- Planet Harper club organises social and cultural events.
- Advice on arranging visas, working in the UK and further studies.

Accommodation

We have fourteen halls of residence on our rural Shropshire campus.

Most international students choose to live on campus and undergraduates are given preference in choosing accommodation. Self-catered accommodation is available.

Full details on page 130.

Support for international students

The International Student Support team supports the induction of international students and you can ask them any questions or concerns that arise during your time with us.

Dedicated tutors provide English language classes, study advice and individual support. The team can help with enquiries about visa renewals and working in the UK.

The student club, Planet Harper, provides a variety of social and cultural events on campus, excursions to places of interest, drop in sessions to help with problems or questions and informal weekly meetings to chat and explore aspects of life and culture.

Applications

All suitable overseas applicants will be required to take part in a Skype interview. Overseas candidates for undergraduate courses should apply through UCAS. Overseas applicants will also be subject to a conditional offer, the conditions including proof of English language minimum requirements (see below) and, where necessary, conditions in relation to Tier 4 visa sponsorship requirements.

Guidance and the most up-to-date information for overseas applicants can be found at ucas.com/how-it-all-works/international

Useful websites for international students:

- › A guide to the UK educational system: www.ukstudentlife.com
- › Advice on higher education and life in the UK: www.educationuk.org

Further help

If you are an international student and would like some advice please contact:

› International Student Support Manager:

Jo Rawlinson
+44 (0)1952 815005
jrawlinson@harper-adams.ac.uk

› International Officers:

Pam Thompson and Marina Churm
internationaloffice@harper-adams.ac.uk
+44 (0)1952 815051
harper.ac.uk/internat

Links with overseas universities

Harper Adams joint co-operation programme with Beijing Agricultural College (BAC)

Two undergraduate degree programmes are available to students of the Beijing Agricultural College as part of its international partnership with Harper Adams.

Students can choose either:

- BSc Honours International Business Management or
- BSc/BSc Honours Food Quality with Retail Management.

Students usually spend three years at BAC, beginning on the foundation course (which includes intensive English language study), and progressing to years two and three, which are taught in English.

The final year of study is spent in the UK at Harper Adams. Successful completion of the final three years of the course allows students to graduate with both a Harper Adams and BAC degree.

It is expected that graduates of both programmes will develop the necessary international knowledge and skills to succeed in varied and rewarding careers in the international business sectors in China and elsewhere.

Work with other leading Chinese universities

New international BSc and MSc engineering programmes began in 2013 with Huazhong Agricultural University in Wuhan and China Agricultural University in Beijing. Students from China Agricultural University study the three-year Master's degree in Applied Mechatronic Engineering and spend the second year at Harper Adams.

Those from Huazhong University studying the four-year undergraduate programme will spend their last two years here. The first cohort arrived at Harper Adams in 2015.

We also have a UK-China cultural exchange programme for UK students to visit China. Our staff regularly travel overseas to participate in international collaborative research and academic teaching exchange links.

Science without Borders - Brazil

Harper Adams University has been selected to participate in the Science without Borders scholarship programme.

It aims to give 101,000 Brazilian students on undergraduate and PhD programmes the chance to study at top universities around the world.

Harper Adams is offering Brazilian students the opportunity to study Agricultural Engineering at undergraduate level for a sandwich year, and for PhD students to take a sandwich year or a full-time three-year PhD programme across a range of STEM and agri-food related areas.

Dominican Republic - Scholarship Scheme

We are part of a scholarship scheme through which the Dominican Republic's Ministry of Education funds postgraduate students to complete Master's qualifications at overseas universities. Harper Adams has been selected to provide specialist courses in land-based subjects.





Careers

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Developing job skills

Harper Adams has an outstanding graduate employment rate. A massive 96 percent of recent graduates were employed or in further study six months after graduating.* Here are some of the ways we help our students to excel and find rewarding careers.

Work placement

Spending around a year on work placement gives graduates meaningful experience of working in the real world.

This, combined with a qualification from such a well-respected institution, helps our graduates to develop the skills that employers are looking for.

Find out more about placement on pages 110-117.

Outstanding teaching

You'll be taught by specialists in their field who are active in research or consultancy or working with industry, to ensure that the knowledge and skills they are teaching are useful and relevant.

Curriculum

The curriculum at Harper Adams University is based on very close links and consultation with the professions, industries and communities concerned with the rural economies, the food chain and animal welfare. This helps you to develop the right knowledge and skills for your future career.

Real world skills

The higher level work-based skills embedded in the curriculum include real world challenges, so from day one you'll be learning how you can apply what you use in the classroom to real workplaces. FdSc Agriculture students, for instance, learn practical skills in their Rural Skills module, while other students can earn nationally recognised qualifications through the Land-based Skills Programme or sign up for on-farm work such as helping with lambing.

➔ harper.ac.uk/lbbsp

Developing 'soft skills'

As well as the technical knowledge and skills our students learn, we also build plenty of opportunities for you to develop the 'soft skills' that employers need.

The ability to work with other people, to use your initiative, to make decisions – these are all valuable qualities learned not just in the classroom but through joining clubs and societies, living with other people, playing sport, having an active social life, becoming a mentor or working as a university ambassador.

Facilities

We've invested £20m in our campus over the last decade providing specialist facilities for our students to develop their skills and knowledge.

Facilities include a 550 ha commercial farm, the Regional Food Academy, Agricultural Engineering Innovation Centre, Engineering Design Centre, Bamford Library, student services centre, three lecture theatres, laboratories, companion animal house and veterinary services centre.

* HESA, 2015
hesa.ac.uk/stats-dlhe



Accredited courses

Almost half of our courses are accredited by professional bodies such as RICS, the Institution of Agricultural Engineers, the Chartered Institute of Ecology and Environmental Management, the Royal College of Veterinary Surgeons, and BIAC (the British Institute of Agricultural Consultants). This means our courses meet the high standards set by these bodies.

Opportunities

There are so many opportunities available in the land-based and rural industries and with a growing population to feed and the challenges of climate change to face the need for well qualified graduates has never been greater. The UK food supply chain, for instance, is the UK's biggest employer – it currently employs 3.7 million people and will need another 250,000 employees by 2020.

Careers advice and support

Our Careers Service prides itself in offering friendly guidance and information while you are an undergraduate at Harper Adams and beyond, including an online vacancies service and annual careers and placement fair, where you can network with employers. Academics and support staff are also on hand to offer advice where they can. See more from the Careers team on page 120.

Work placement

-  Degree courses include an industrial placement period (*usually one year*).
-  Choose your placement position with help from us.
-  Most placements are paid or include other benefits.
-  Great for your confidence and CV.
-  More than 400 placement employers and over 500 placement employer locations/sites.
-  Overseas placement opportunities.
-  A dedicated placement manager for each subject area.

Why is work placement valuable?

Any employer will tell you that real work experience and an impressive CV is worth its weight in gold in the graduate job market. The placement year, when you will work for a year in a position of your choice, is a great way of putting everything you have learned in your lectures into practice.

The skills gained during placement will help you prepare for your chosen career and allow you to experience working in a particular sector and decide if you like it before committing yourself full-time after graduating.

You'll have opportunity to build up a network of contacts and will have valuable experience to talk about in interviews. What is more, in most cases you'll be earning a salary at the same time. Placement also helps to develop confidence and knowledge of the real world when you return for your final year of study. It is no wonder our graduate employment record is so high.

We're here to support you

You know best what sort of placement position you are looking for so you'll take a lead in finding the right role, with the help of a Placement Manager based at Harper Adams (they'll also be on hand for advice and support during your year in industry). We collate a database of placement jobs you can apply for or you can source your own position within reason – you can't work at home, for instance, with family members or within your home farming area. Every placement needs to be validated by the placement manager.

Overseas placements

While the majority of students undertake placement in the UK we actively encourage overseas placements. There may also be opportunity to study overseas for the placement year (see page 121).

› You can read more about these students and graduates on our careers website: www.3point7m.com





Will Probert

BSc (Hons) Rural Enterprise and Land Management

"After my placement concluded my employer offered me a job to come back to once I had graduated."



Catherine Bennett

BSc (Hons) Agri-food Marketing with Business Studies

"If I'm honest, I didn't really want a placement year as I felt four years seemed a very long time. However, I was fortunate to have an excellent placement and in hindsight having the opportunity to combine my studies with a placement year has been a massive benefit to me."





An

Rachel Davies

BSc (Hons) Bioveterinary Science

"Placement has taught me to trust my own judgement and not be nervous about voicing my concerns to others."

Fd

Jack Giddings

BSc (Hons) Food and Consumer Studies
(now Food Production and Marketing)

"The experience I gained played a key part in making me more employable."





Gemma Hunt

BSc (Hons) Veterinary Nursing

"Placement was great for developing my skills and improving my nursing abilities as well as meeting a group of friends who inspire me to be the best I can be."





George Lane

**BSc (Hons) Agriculture with Farm
Business Management (top-up)**

*"I have gained life and work
experience which I would
never have developed if
I hadn't undertaken a
placement year."*



Matthew Scott

BSc (Hons) Veterinary Physiotherapy

*"Placement has confirmed
I definitely want to work with
horses when I graduate;
something I was unsure
of before."*



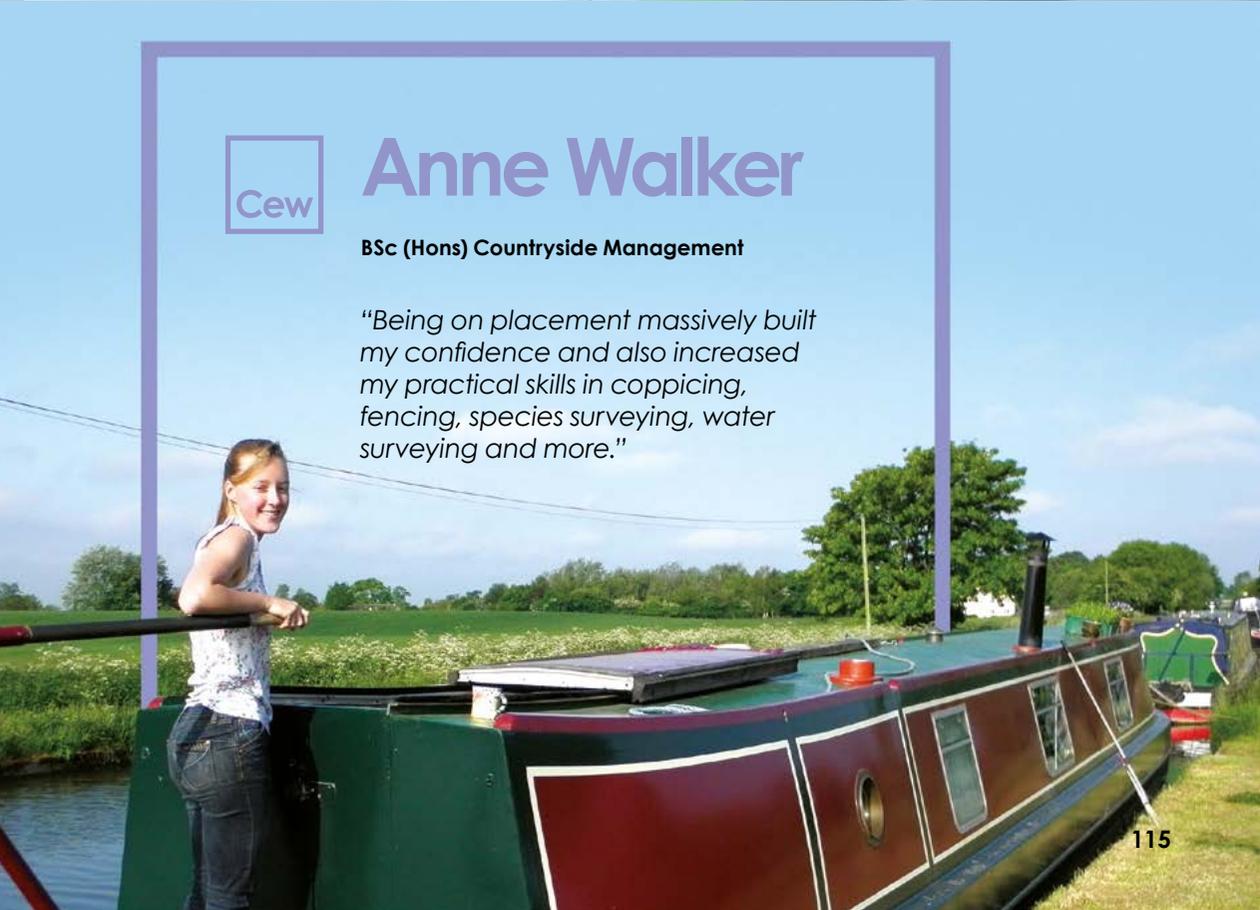


En

Matthew Woodhead

MEng Agricultural Engineering

"The best things about placement were the amount of responsibility I was given and the range of tasks I was able to carry out during my time at Niftylift."



Cew

Anne Walker

BSc (Hons) Countryside Management

"Being on placement massively built my confidence and also increased my practical skills in coppicing, fencing, species surveying, water surveying and more."

Placement employers

A network of more than 400 work placement employers and over 500 placement employer locations/sites across a wide range of industries and specialisms means students enjoy high quality work experience which can lead to offers of employment on graduation. Strong links between the rural professions and our academic tutors mean that the curriculum itself is informed by the industries and organisations we work with.

Some of our placement providers





What do our graduates do?

Here are some examples of careers our graduates have gone into.

Agricultural salesperson
Ag

Agronomist
Ag

Breeding assistant Ag	Crop specialist Ag	Dairy specialist Ag	Environmental conservation Ag	Farm business consultant Ag	Farm manager Ag
Field biologist Ag	Forage specialist Ag	Grain trader Ag	Logistician Ag	Research consultant Ag	Harvest, agricultural and silage contractors Ag
Business owner or diversified family business Ag	Marketing executive Ag	Trainee farm manager Ag	Trials manager Ag	Animal charity manager An	Animal welfare specialist An
Animal technician An	Kennel manager An	Pet behaviour counsellor An	Researcher An	Ruminant technician An	Feline behaviourist An
Herdperson An	Laboratory technician An	Zoo keeper An	Brand manager Bs	Coffee trader Bs	Commodities trader Bs
Feed specialist technician Bs	Marketer Bs	Procurement Bs	Shop owner Bs	Winemaker Bs	Supply chain manager Bs

Home economist Fd	Food technologist Fd	New product developer Fd	Quality controller Fd	Specifications technologist Fd	Ingredients specialist Fd
Ecologist Cew	Energy conservationist Cew	Estate ranger Cew	Farm and woodland advisor Cew	Countryside warden Cew	Wildlife conservationist Cew
Field officer Cew	Rights of way manager Cew	Surveyor Cew	Waste resource manager Cew	Landscaper Cew	Grounds manager Cew
Arboriculturalist Cew	Design engineer En	Electrical quality engineer En	Field test engineer En	Farm manager En	Product manager En
Researcher En	Mechanical design engineer En	Export sales En	Parts manager En	Technical engineer En	Technical service specialist En
Auctioneer Rm	Assistant estate manager Rm	Compliance officer Rm	Chartered or rural surveyor Rm	Trainee lawyer Rm	Land agent Rm
Mapping and surveying officer Rm	Trainee agronomist Rm	Wayleave surveyor Rm	Head veterinary nurse Vn	Registered veterinary nurse Vn	Research nurse Vn
Lecturer Vn	Veterinary hospital nurse Vn	Zoo veterinary nurse Vn	Practice manager Vn	Clinical investigations nurse Vn	

The Careers Service

Advice tailored for you

Students and recent graduates benefit from our one-to-one advice, exploring their career options and receiving personally tailored advice and guidance from Careers Service staff.

Impressive applications

A great curriculum vitae (CV) or application form helps you create a memorable first impression with employers. We can help you create an application that shows off your skills and experience through our workshops on drafting CVs, covering letters and application forms.

Network with employers

More than 100 employers attend our annual Careers and Placement Fair to talk to students about placement and graduate opportunities within their organisations. It's a great opportunity for you to meet potential employers and recruiters. Throughout the year we also arrange industry networking events and welcome employers on campus to speak to students and advertise their vacancies and recruitment schemes.

› harper.ac.uk/careerfair

We're with you all the way

Don't think you have to wait until your final year to use the Careers Service. We're here for you from day one – it's never too soon to begin building your skills, getting work experience, compiling a CV or researching potential careers and employers.

Preparing for interviews

Whether it is for a graduate job or part-time work in the holidays, we can help you prepare for interviews and assessment days. Our interview workshops give students the chance to find out more about recruitment processes, and to work on your interview skills and group work abilities in a safe environment. We also stage mock interviews; individual appointments where you can practice being interviewed, with questions tailored to roles you might be applying for.

Get a job

Whether you are looking for a part-time job whilst studying or a full-time graduate position the latest jobs news and vacancies across the sector are posted on our online vacancy service. The Careers Service provides a weekly email bulletin of job vacancies submitted by employers and is for undergraduate and postgraduate students and recent alumni.

Psychometric tests

Many employers use psychometric tests to identify a candidate's aptitudes or personality. Careers staff can provide an overview of the purpose and nature of these tests and how you can prepare for them.

Thinking of further study?

We can help you apply for postgraduate study, finding the right course for you and assisting with applications.

Online resources

Our Learning Hub is an online tool bursting with resources to help both students and graduates study and develop, offering support throughout their career journey.

Here you will find information on researching careers, finding vacancies, applying for jobs, travel opportunities, using social media in job hunting, further study and much more.

› harper.ac.uk/career

Global opportunities

There are opportunities for you to develop experience of the wider world during your time at Harper Adams.

You could work overseas on placement, study abroad with the Erasmus+ scheme, take optional international modules, learn a language or even earn an international degree.

French, German and Spanish are available as optional modules, as are International Agricultural Policy, International Marketing and European Studies. Chinese Mandarin classes are also offered.

Work placement overseas

If you want to go further afield during placement why not consider working overseas? Students have undertaken placements across Europe, North America, and many other parts of the world, including Australia, New Zealand, Kenya, Tanzania, and India.

We have a close relationship with Ohio State University (which helps to find student placements across the USA). We can also offer opportunities through our links with agencies and other institutions in China, Indonesia, South Africa, New Zealand, Canada and Australia.

Student exchanges

We have developed links with a number of long established universities in the USA for students on Agricultural, Engineering and Food courses.

All study exchange opportunities take place during the placement year, and can replace six months of work without additional tuition fees (i.e. students pay fees to Harper Adams only).

International qualifications

You could choose a set of options that will lead to the inclusion of 'International' in the title of your award. This recognises students who have gained a lot of international experience through their degree and will be helpful to students seeking an international career. To qualify for an International award you must normally have spent at least 22 weeks of the industrial placement period working overseas and have been awarded at least 60 credits for study overseas. This option is available on selected courses; please ask Course Managers for further details.

Volunteering

Some students choose to volunteer their time and skills with overseas projects, either on their placement year or during vacations.

Languages

Learning a different language can expand your career opportunities as well as being enjoyable and introducing you to new cultures and friends. You can take optional language modules as part of your course and additional free language classes in French, German and Spanish. Both routes will attract academic credits. We also offer evening classes in Chinese Mandarin.

Erasmus +

The Erasmus + programme is a European Union student exchange programme that enables higher education students to study or work abroad as part of their degree. It aims to boost skills and employability, and provides opportunities for over four million Europeans to study, train, gain work experience and volunteer abroad.



Oc

On campus

Over the last ten years we have dedicated more than £20m to enhancing our facilities.

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Facilities

Key Facts

- £20m invested in the campus over the last ten years.
- All facilities in very close proximity.
- On campus working farm.
- Award winning 'green' campus.
- Specialist facilities include an Agricultural Engineering Innovation Centre, Weston teaching building, Bamford Library, Regional Food Academy, Engineering Design Centre, Veterinary Services Centre, laboratories and mock veterinary practice.
- Dedicated student services centre in the Faccenda Building.
- Rural setting is great for field trips, course-related excursions, and traditional country pursuits.
- Regular minibus service to the local town of Newport.

University Farm

Students have the unique advantage of being able to practise 'in the field' on our own commercial farm. After a multi-million pound investment, including expanded dairy and pig units and a food research centre, the farm extends to more than 550 hectares on a number of diverse sites and features a variety of livestock. The £2 million, leading-edge dairy unit which accommodates 390

cows, incorporates a 40-point internal rotary milking parlour and has a computerised system for identifying cows and recording milk yields.

The farm not only demonstrates sound commercial practice and seeks to innovate and develop but also provides an excellent resource for teaching. Soil types vary from a light sandy loam to heavy clay loam and so provide a valuable range of soil conditions for teaching and research.

Generally, a rotation aimed at maximising first wheat is practised. This is made possible by the range of break crops on the farm – grass, maize, lucerne, oilseeds and stewardship crops.

Water for irrigation is supplied from a reservoir and borehole via a ring main.

Farm equipment is typical of that on a modern mixed farm and by working closely with a number of machinery companies we are able to ensure up to date techniques and equipment are demonstrated across the estate.

All major animal enterprises are present on the farm, with 390 dairy cows and 280 followers, two sheep flocks demonstrating different management systems and an intensive beef unit. The recently refitted poultry unit now houses more than 70,000 birds and is

operated by a local company. The pig unit has accommodation for 230 sows and new sow, farrowing and finishing houses.

Up to 24 hectares of the grass and arable areas are devoted to staff and student research projects and trials. The production units demonstrate good practice and provide physical and financial data for appraisal work by students.

At the heart of the farm is a new centre for on-farm teaching, housing a Farm Education Centre and Frontier Crops Centre.

Availability of data is vital to commercial management. The animal enterprises also provide the resources for staff research, postgraduate and commercial trials and undergraduate projects. Data and associated information from the farm is available online giving students access to detailed records of production and estate enterprises.

The farm employs staff to help with student projects and basic training in practical livestock skills.

A Soil and Water Management Centre has also been created at Harper Adams.

➤ harper.ac.uk/farm

Faccenda student centre

The Faccenda Centre is a 'one-stop shop' for students, including a student hub, Students' Union facilities, social rooms, convenience store, and the Graze café. Here you will find Student Services, Admissions, Careers and Placement, and Learner Support, with a number of teaching and meeting rooms.

➤ harper.ac.uk/faccenda

The Bamford Library

This modern library provides a wide range of learning resources and services, including:

- Access to around 43,000 books, a growing e-book collection, around 2,000 print and 44,000 electronic journals and the most relevant databases for your courses.
- A range of study facilities including group and silent study rooms.
- Tutorials and individual support on finding and using resources.
- Dedicated librarians to help you get the most out of the resources.

The building itself is an award-winning example of sustainable design and is named after Sir Anthony Bamford, chairman of JCB and sponsor of the Engineering Design Centre housed within the library complex. IT services are based in the library and there is also a café, The Kaldi.

➤ harper.ac.uk/library

Information services

- Advice and IT assistance is available in person from the IT service desk throughout the day and until late evening during term time.
- Students have 24-hour access to a number of PCs for most of the year so you can work at times that suit you.
- There are a large number of networked PCs across campus in the library, Weston Building, Faccenda, Engineering Design Centre, and Foulkes Crowther building.
- A wide range of the latest software is available for word-processing, spreadsheet analysis and presentations, database work, e-learning and statistical analysis.
- Specialised software is available for agricultural, engineering, science, business and educational studies, and also statistical and commercial software.
- Wi-fi access for laptops and other mobile devices is available in the library and at a growing number of additional locations across the campus. Wired and wireless access is available in halls of residence on campus.
- Registered students can buy equipment and software from leading manufacturers at reduced rates.

- All new students are offered basic training to use our computer systems.
- The virtual learning environment (VLE), provides course materials, text and video materials, interactive exercises and other aids to make learning more flexible. The VLE also allows ready access to the library catalogue and online journals and supports the detection of plagiarism.
- The Microsoft IT Academy Programme is one of several commercially recognised IT training programmes available to students.

➤ harper.ac.uk/itdept

Teaching rooms

The Weston Building teaching block provides a new state of the art 250-seat lecture theatre, IT classrooms, 24-hour computer suite and a range of seminar rooms. Other teaching rooms include those in the Faccenda student centre and the extensively refurbished Foulkes- Crowther building, with a large lecture theatre, eleven teaching rooms, three advanced computer-based teaching rooms, a teaching laboratory, molecular diagnostics lab and offices.

Engineering facilities

The Engineering Department benefits from specialist facilities including the £2.93m Agricultural Engineering Innovation Centre with electronics / mechatronics and research laboratories and a large lecture theatre, and the JCB-sponsored Engineering Design Centre. There is also an off road vehicle test track, a purpose built indoor soil hall, and well equipped engineering workshops. We also maintain a wide-ranging fleet of machines and vehicles and have loan arrangements with engineering companies to ensure students have access to some of the latest technological developments.

In addition to the largest covered field demonstration area in the UK you will have access to the fields of the University Farm to give you experience in operational techniques.

The Engineering Department is also home to The National Centre for Precision Farming, aimed at bringing 'smart' agricultural machinery into wider and more productive use in UK and global farming.

➤ harper.ac.uk/eng

➤ harper.ac.uk/ncpf

Science facilities

The majority of the laboratories at Harper Adams are located in the Princess Margaret Laboratory complex. This contains laboratories with equipment for the analysis of agricultural, environmental and food samples and provides excellent resources for science teaching. It is the university's well-founded laboratory status, distinctive amongst institutions of our type and size, which has helped Harper Adams obtain

both taught and research degree awarding powers.

The laboratory complex includes six well-equipped teaching laboratories for undergraduate practical classes in applied biology, microbiology, nutrition, crop protection, soils and molecular biology. Separate research laboratories support both undergraduate and postgraduate work in these areas and include a purpose-built Molecular Diagnostics Laboratory equipped to analyse DNA. Recent developments include the creation of additional microbiology research laboratories, and a brand new Applied Research Laboratory for our expanding research base.

A purpose-built 'wet room' laboratory supports teaching in animal anatomy and physiology and the Jean Jackson Entomology Building provides laboratory and culturing facilities to support both teaching and research in the field of entomology. Both facilities receive input and oversight from the Princess Margaret Laboratory team.

A planned extension to the Princess Margaret Laboratories will expand our provision and is due to open in 2017.

The Princess Margaret Laboratories are staffed by a team of well qualified and enthusiastic technicians who facilitate the provision of science teaching and research for a wide variety of Harper Adams' students.

Other science-related facilities provide environmental control or monitoring and include a large experimental glasshouse, animal production buildings,

a metabolism room and an automatic weather station.

➤ harper.ac.uk/labs

Veterinary nursing and veterinary physiotherapy facilities

Harper Adams is a veterinary nurse approved centre (VNAC) and approved course provider. Our facilities include a brand new Veterinary Services Centre with a hydrotherapy suite and consultation area. Consultation / teaching rooms in the centre have specific veterinary physiotherapy treatment and rehabilitation equipment and systems for collecting biomechanical data. There is also a two-surface equine trot-up track outside. A mock veterinary practice, housed within the Veterinary Nursing Unit, has a consulting room, prep room, x-ray facility and an operating theatre. Students are also able to use our extensive range of laboratories.

A Companion Animal House contains rooms dedicated to rabbits, guinea pigs and a range of other companion and exotic animals such as chinchillas, degus, geckos, tortoises and skinks. We have a small number of horses that are used within the courses. The farm, with its sheep, cattle and pigs, is another resource for veterinary nursing students to widen their skills and experience.

Regional Food Academy

Harper Adams is home to the Regional Food Academy (RFA), established to provide support to the West Midlands food industry in the form of training, education, knowledge transfer and technical consultancy. It also works with schools in the region to raise awareness of the sources of food and the food

chain, and to highlight the diverse career options offered by the food industry.

Within the RFA students have access to food processing facilities on-site, and undertake practical sessions which develop their understanding of food processing and preservation. They are able to make cheeses and beers, for example, as well as learn how to make baked goods and other preserved foods. Using the food product development and sensory evaluation facilities they can develop their skills in new food product design and development. Students can also gain insight into specialised products such as fresh produce, ready meals, confectionery and snack foods, as well as more traditional products such as cured and smoked meats, jams and preserves.

Entomology facilities

The Jean Jackson Entomology Centre is a dedicated entomology laboratory on the south side of the campus, including controlled temperature insect rearing facilities in the form of three walk-in chambers, essential to support both teaching and research.

The EntoHub, located in the Ancellor Yard farm education centre, houses an extensive insect collection and resource room for those studying entomology. Thousands of carefully preserved specimens from across the world can be found in the Insect Collection Room, some of which are more than 100 years old. One of the oldest insects in the collection is a large blue butterfly captured in Bude in June 1900, whilst the heaviest is a goliath beetle which can weigh up to 100g.

Postgraduate Centre

This two-storey centre, which features a variety of sustainable technologies, is situated at the heart of the campus, and features teaching, IT and common rooms for postgraduate students.

Crop and Environment Research Centre (CERC)

CERC is Harper Adams' specialist centre for teaching and research into crop production, working with horticultural, agricultural and non-food crops. CERC assists teaching staff in all aspects of crop production, from cultivation to plant breeding, fertiliser management, water management, disease control, harvest, post-harvest, biology and crop quality assessment. The underpinning aim is to maintain high levels of sustainable crop yield methods that are compatible with the environment.

➤ harper.ac.uk/cerc

Our green campus

Harper Adams is one of the most environmentally friendly higher education institutes in the UK. Environmentalism and carbon management are key concerns of everything we do, from teaching to new buildings to our commercial farm.

Recycling is a major focus, with almost 1500 tonnes of waste recycled last year alone. Our attitude of 'sustainability first' has won the university many prestigious awards.

We have been awarded, for instance, a First Class 'degree' (the highest accolade) by the People & Planet Green League for two consecutive years, and a 2:1 last year in recognition of our sustainable practices and initiatives. The university has been Carbon Trust Standard

accredited since 2009 for reducing our carbon footprint year on year.

All of our courses include large aspects of environmental stewardship, especially the more predominately land-based disciplines, with students being taught environmentally friendly sustainable skills. The renewable energy sources on site are used as teaching aids.

The University Farm strives to maintain and develop a sustainable farming system through integrated farming techniques. As a member of the Higher Level Stewardship (HLS) scheme environmental stewardship is practiced across the estate with many conservation initiatives to protect, provide and improve wildlife habitats, to avoid pollution and promote sustainable use of the land.

New developments such as the Weston Building, the Agricultural Engineering Innovation Centre, Entomology building, Bamford library and the most recent halls of residence feature sustainable building design and a number of buildings are fitted with solar photovoltaics generating their own electricity for use in the building.

The university uses fuel efficient vehicles for all of our on-site transport needs including electric vehicles.

➤ harper.ac.uk/sustain

➤ harper.ac.uk/facilities

Photographs and details of our facilities can be seen at:

➤ harper.ac.uk/facilities



Artist's image of the planned extension to our laboratory complex, due to open in 2017.



Accommodation

Key facts

- Fourteen halls of residence on a single campus.
- Accommodation for more than 800 students.
- Traditional catered halls with a 'snack kitchen' and self-catered halls with fully equipped kitchen diners.
- All rooms include internet access, daily clean and weekly laundry service and utilities.
- Modified rooms for disabled students.
- One to two student wardens for each hall.
- Free parking on campus.

Living on campus

A large number of students live on campus, with the majority in catered accommodation within walking distance of all our facilities, from the teaching blocks and Students' Union to the sports facilities and cafeterias. Our fourteen halls of residence are home to just over 800 students. Every effort is made to offer first years accommodation on campus, if they apply before 1st September. The majority of accommodation is offered on a fully catered basis during the week. All halls on campus include wired/wireless internet access, daily clean and a weekly laundry service with clothes washed and pressed (excluding the two newest self-catering halls, which have their own self-service laundry).

A number of on campus shared, self-catered houses are available for international students. Harper Adams also has a number of specially modified rooms, equipped to cater for disabled student needs.

Each hall has two appointed student wardens, usually in their final year, who live on site and provide a first point of contact for any concerns or queries you may have. They offer invaluable support and advice as well as being fully trained in first aid,

fire safety, drugs awareness and student support. A duty warden rota system ensures out of hours support during term time. A staff member is also on-call out of hours.

Safety and security are a priority at Harper Adams and the campus is protected by CCTV and on-site security guards who patrol the campus and car parking areas – a free facility for resident students.

Accommodation prices

Prices per academic year are inclusive of all services and are extremely competitive.

The most up to date charges for accommodation can be found in our Fees and Charges document here: harper.ac.uk/accomm



Halls of residence

Catered halls

Bradford

- Second smallest hall.
- Individual floors are either all male or all female.
- Three storeys with 49 study bedrooms.
- Communal bathrooms (with private showers) on each floor.
- Nearest to the bar and dining hall.

Harris

- The largest catered hall.
- Three storeys with 96 en-suite study bedrooms.
- Ideally situated next to the car park with views of the surrounding fields.

Ward

- Smallest hall.
- Three storeys with 35 study bedrooms.
- All male or all female floors.
- Communal bathrooms (with private showers) on each floor.

Gloucester

- One of the larger halls.
- Three storeys with 80 en-suite study bedrooms.
- Great views of the rugby pitch.

Boughey

- Five individual blocks within one three-storey building.
- Communal bathrooms (with private shower) on each floor.
- Includes under 18 designated accommodation.
- Ideally located between the library and lecture theatre.

Flatt Road

- Single sex, shared student houses situated along Flatt Road adjacent to teaching facilities and the small animal unit.
- Peaceful location with views of the farm.
- Home to approximately 140 students who experience the independence of sharing a house combined with a traditional student lifestyle and the benefits of on campus support and services.

Self-catered halls

Darby, Darwin A and B, Jebb and Silcock

- Three storeys with 180 en-suite study bedrooms.
- Six to eight bedrooms per flat with a shared, fully equipped kitchen-diner.
- Kitchen-diners are a good space for cooking and socialising together.

Princess Royal Hall

- Four floors with 53 en-suite bedrooms.
- Self-service laundry between the halls.
- Located near to the multi-use games area.
- Well equipped kitchen diners.

Jerman and Leverhulme

- The two newest halls, opened autumn 2015
- Four floors with a total of 110 en-suite bedrooms, primarily for international students.
- Well equipped kitchen diners.
- Self-service laundry between halls.

➤ For further information, up to date costs and images visit: harper.ac.uk/accomm

Living off-campus

Student Services offer help and advice to any students looking for off-campus accommodation through forums, literature and an online property search facility listing off-campus student properties and landlords contact details.

There is plentiful accommodation, both in the local town of Newport and the surrounding rural vicinity, including cottages, houses, barn conversions and flats. We work closely with Telford and Wrekin Council to monitor health and safety requirements in each property. The majority are within a five mile radius of the campus.

Eat well

We have three on-site restaurants and cafés offering excellent food based on our ethos to support local food and business.

Key facts

- Three venues offering food.
- Multi award-winning catering team.
- Local and Fairtrade food is a priority, including pork, beef and lamb from our own farm.
- Students in catered halls enjoy three meals a day during the week.

We are committed to supporting UK farmers and for produce we are unable to obtain locally we aim to buy Fairtrade. The catering team has won many prestigious awards including:

Foodservice Footprint Award for Sustainability in Education 2015

Highest Scoring Newcomer, Hospitality Assured Award 2015

CUBO Innovation Award for Excellence in Student Experience 2014

Venuemasters Customer Service Awards 2014

Food on campus

First years in catered halls of residence have three meals a day provided Monday to Friday as part of their accommodation package. You can expect to tuck into a variety of foods in the student dining room. Ingredients are locally sourced, whenever possible, often from the Harper Adams farm or local providers.

A typical menu:

Breakfast: A full English or continental breakfast, tea, coffee, juice.

Lunch: Sandwiches, cold buffet, Cornish pasty, fish and chips, lasagne, chicken fajitas, pasta, salads, fruit.

Dinner: A roast, lamb casserole, stir fry or curry, yoghurt, choice of desserts.

Vegetarian options are available at every meal.

Dining Hall

Housed in the QMH Building this light and airy dining room serves three meals per day to catered students. There is always a choice of three main courses along with healthy options and salad bars.

Graze Café

Based within the Faccenda Centre, Graze is our newest catering outlet. It offers a fantastic choice daily. Fancy a made-to-order baguette or a homemade casserole containing produce from the farm? A healthy snack or a luscious cupcake? Graze is the place! The cafe is also open every weekend during term time.

Kaldi Café

Pop into this buzzing café for a quick break from studying in the adjoining library, or a light lunch with your friends. There's always a good choice, including freshly ground coffee (with locally sourced milk), sandwiches, paninis, toasties and oatcakes, and a great selection of Fairtrade produce.

Food off-campus

At the weekend, after you move into off-campus accommodation, or simply when you feel like a change, there is something locally to suit all tastes and budgets. Fish and chips, pub grub, takeaway, or fine dining; it is all readily available, and at reasonable prices too.

Self-catered accommodation has a good range of cooking and storage facilities. There is a shop in the Faccenda building for food supplies, and supermarkets, grocers, and markets nearby in Edgmond, Newport and Telford.

➤ harper.ac.uk/cater





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Student Services

Key facts

- Highly supportive team, based in the Faccenda student building.
- Two full-time staff live on campus.
- One or two student wardens for each hall of residence.
- Medical clinic and counselling service on campus.

Welcome

Starting university is an exhilarating time, full of new challenges, friends and experiences but all of us at some time or another need a helping hand. From homesickness and illness, to accommodation and money worries, the friendly Student Services team is here to help.

We are the largest institution of our kind in the UK but we pride ourselves on our personal care and support for you as an individual. We want you to get the most out of your time here and will be with you every step of the way to help you to achieve your goals.

Two full-time staff live on campus and are assisted by a team of student wardens, one or two of whom live in each hall of residence. Wardens are current fourth-year students, trained in first aid and on hand to help you with day-to-day problems. We have also created a new 'one-stop-shop' for students in the Faccenda building, where you can find all of the staff dedicated to helping you from day to day, from the Students' Union to Learner Support and the Careers and Placement team.

Out of hours support

We operate a duty warden system for out of hours support during term time with help available from two wardens and one member of staff.

- For general advice on support and the services available, contact Student Services on +44 (0)1952 815396. studentservices@harper-adams.ac.uk harper.ac.uk/support

Medical services

A local medical practice has a clinic on campus at Harper Adams and holds daily sessions, on weekdays, to ensure students receive medical support when needed.

Support

We have a qualified BACP registered Counsellor and a Mental Health and Welfare Adviser who provide a drop-in service for students as well as appointments throughout the week, by prior arrangement. Their aim is to provide professional, accessible and confidential support to students who experience emotional or psychological problems which may affect their personal lives or academic performance.

Faith

Whatever your faith you will find a place of worship and a congregation within travelling distance of the campus. Harper Adams students enjoy close support from a group of chaplains that includes Anglican, Roman Catholic, Methodist and other clergy. The village of Edgmond has an Anglican and Methodist church and nearby Newport

has a Roman Catholic church, all of which welcome students as worshippers. Among the churches and religious organisations in Shropshire are Greek Orthodox, Sikh, Muslim, Buddhist, Mormon, Jehovah's Witness, Elim Pentecostal, Christian Scientist, United Reform and Quaker. There is also a quiet room on campus for anyone to use for prayer or reflection. Christian staff and students have their own society (which welcomes members of all faiths) and provided there is enough support you may be able to set one up for your own particular faith.

Disabled students and learner support

Key facts

- Supportive environment.
- Advice and support for dyslexic students and other disabilities.
- Modified accommodation available.
- Increased accessibility on campus is a priority.

We welcome applications from students with disabilities and are committed to ensuring you will be able to participate in all aspects of the academic and social life here.

We provide an integrated service for people with a range of disabilities and aim to create a supportive environment, constantly striving to improve services and progress towards a fully inclusive environment.

All students are sent a Learner Support Self-Assessment form to complete before they arrive. Students are advised to return this, indicating any disability or

support needs. On arrival, any student who has notified us of a disability or specific learning difficulty will be invited to meet a member of the Learner Support Team, when individual needs can be discussed and appropriate provision made.

The Learner Support Manager meets all students in Freshers' Week, during registration and student induction, so if you have not made us aware of your disability or specific learning difficulty, you can make an appointment to discuss the support available to you. Student induction also informs students who think they may have a specific learning difficulty about how they can book a free screening test.

The campus is being constantly updated to increase ease of use. Two of our halls of residence currently have lifts, and several en-suite rooms have been built specifically to accommodate wheelchair users. We are keen to meet the needs of disabled students who may require modifications in their room.

If you have a disability or a specific learning difficulty you may qualify to receive financial help through the Disabled Students' Allowance (DSA) scheme. The Learner Support Team will be happy to help you with your application. Further details about the DSA are available from: tinyurl.com/info-dsa

► For further advice and guidance please contact: Jane Hill (Learner Support Manager)
+44 (0)1952 815417
jhill@harper-adams.ac.uk
harper.ac.uk/learner

Students' Union (SU)

Key facts

- Run by current students.
- Elected SU President is a Harper Adams graduate.
- Great facilities for sports and socialising.
- Based in the Faccenda student centre.
- Organises social events including four annual balls.
- Represents the views of students.
- RAG team raise money for good causes.

Harper Adams is a close, supportive community and the Students' Union is at the heart of it. From providing entertainment and sports to representing your rights and interests the SU will play a big part in your university life.

The Students' Union is run by an elected team of current students, and a president (a recent Harper Adams graduate elected to the role as a paid member of staff for one year).

Elections are held once a year and all members of the SU are entitled to vote.

The Students' Union can be found in the Faccenda student centre. SU facilities include a huge main bar with a chill-out bar and extra function rooms. There's also a lounge bar (The Welly Inn), offices, a shop and lots of sports facilities.

The SU helps to organise Freshers' Week, at the start of your first term at university, which will help you settle in and meet housemates, people on your course, and staff.

Harper Adams students work hard and play hard so it is no surprise that one of the SU's

main jobs is organising social, cultural and sporting activities.

There are lots of sports and social clubs as well as club nights, trips, gigs, quizzes, film and comedy nights and, of course, the legendary Wednesday nights in the SU bar. There are also four student balls throughout the year with guest sets from some great DJs and bands. The highlight is always the themed Summer Ball. This 12-hour party ends at 7am when a photographer captures the moment in the famous Survivors' Photograph – you will want to make sure you're on it!

The SU also meets regularly with staff to represent student interests and ideas, and organises the Harper Forum, a popular weekly event, in which various speakers from the rural industries, politics and business are invited to address students and take part in a Q and A. The Harper Forum has featured an impressive list of industry visitors from organisations such as ADHB, British Poultry Council, Lloyds Bank, the NFU and Farmers Weekly. Let the organisers know if there is anyone you are keen to hear from and they will get on the case.

► harpersu.com
harper.ac.uk/union

Sports

Key facts

- One of the top 10 UK universities for sport.
- Great on campus facilities.
- Dedicated support officer for sports, societies and participation.
- Excellent results in BUCS leagues and national competitions.
- Strong links with community sports centres and independent clubs throughout Shropshire.
- Newly renovated and upgraded Students' Union gym.

Sports at Harper Adams are well supported by both students and staff, with a superb reputation for our key sports.

There are a variety of clubs offered on and off-campus, with Student Services and the SU supporting teams and individuals participating in everything from local football games and BUCS (British University and College Sport) leagues to elite level Team GB athletes. Our students excel in hockey, clay pigeon shooting and rugby to name a few, with a reputation for success. There is great student support from the side lines every Wednesday afternoon too!

Facilities on campus include:

- Newly renovated gym
- Large sports hall
- Multi-use games areas
- Heated outdoor swimming pool
- Dance and aerobics studio
- Grass pitches
- Floodlit match pitch
- Astro turf all weather pitch
- Squash and tennis courts
- Bowling green
- Shooting ground
- Table tennis
- Basketball courts
- Cricket pitch

Sports activities on campus and locally usually include:

- Aerobics
- Archery
- Badminton
- Basketball
- Circuit training
- Crossfit
- Dance
- Eventing
- 4x4 / greenlaning
- Fencing
- Football
- Gymnastics
- Hockey
- Horse riding
- Ice skating
- ITF Taekwondo
- Mountain biking
- Netball
- Polo
- Racketball
- Rounders
- Rowing
- Rugby
- Running
- Shooting
- Squash
- Skiing / snowboarding
- Tennis
- Yoga
- Zumba

The majority of the facilities on campus are free for student use, whether it's an inter-halls five-a-side game or just wanting some space to throw a frisbee around – it's your university, make the most of it and get involved!

If you have a passion for something we don't currently offer, Student Services Support Officer Andy Jefferies can help you set up your own club or join one in the local area.

Further afield

Shropshire offers lots of sports facilities including golf courses, specialist gyms and indoor facilities, dry ski slope, adventure golf, ten-pin bowling and ice skating. Local teams cover sports from American football to ballet and kickboxing. We are also situated close to the Lilleshall National Sports Centre, the home of a number of elite Team GB sports including gymnastics, archery and weightlifting.

➤ harper.ac.uk/sport

Clubs and societies

Key facts

- Wide range of sporting and recreational endeavour clubs.
- Common interest societies.
- One of the best ways to make friends and develop life skills.
- Support to create new clubs and societies.
- 3rd in the What Uni Student Choice awards for clubs and societies

All students get the opportunity to see what the clubs are about at the Freshers Fair, held during Freshers Week. Here new students can meet the Club Execs, find out what activities are planned and sign up for your favourite clubs.

Taking an active role in clubs and societies is not only great fun but can lead to greater employment prospects, including a higher earning trajectory (BUCS research 2013).

As a Harper Adams student you can take part in clubs such as:

- Badminton
- Basketball
- Christian Union
- Conservation society
- Dance society
- Equestrian
- Fencing
- Field Sports
- Forum (debates and guest lectures)
- Harper Cymru
- Harper Ireland
- ITF taekwondo
- LGBT
- Men's and women's football
- Men's and women's hockey
- Men's and women's rugby
- Motorsport
- Mountain biking
- Off road vehicle club
- Outdoor pursuits
- Planet Harper international society
- Polo
- Racketball
- Rounders
- Rowing
- Running
- Shooting
- Squash
- Gaming: card, board and video

Come and speak to your Student Services Support Officer, Andy Jefferies, to see how you can make it a reality.

- You can contact him on 01952 815442 or ajefferies@harper-adams.ac.uk
- or find the Harper Adams Sports and Societies page on Facebook. harper.ac.uk/clubs





Out and about

There is plenty to do and see in Shropshire and beyond.

Key facts

- We're located in Shropshire, on the border of Wales.
- One of the most picturesque English counties.
- Lots to do in your spare time.
- Great shopping and places to eat and drink.

Shopping

The small market town of Newport is a pleasant place to shop, with supermarkets, high street stores and specialist shops, including a fancy dress hire shop and charity shops that get plenty of business from Harper Adams students! Telford Shopping Centre, 10 miles away, has more than 160 shops, restaurants and cafés including House of Fraser, Topshop and Debenhams. The charming streets of Shrewsbury combine high street stores with independent retailers. Stafford, Wolverhampton and the picturesque market towns of Bridgnorth and Much Wenlock are also worth a visit.

Free minibus

There is a minibus service Monday to Saturday between Harper Adams and Newport, and to Telford Shopping Centre on Sundays.

Cinema, theatre and music

Oakengates Theatre, Stafford Gatehouse, and Shrewsbury's Theatre Severn, as well as Wolverhampton's Grand

Theatre, Civic Hall and Slade Rooms, offer a wide variety of music, comedy, plays and productions.

Birmingham's NEC and National Indoor Arena are great for music and shows, while the Hippodrome and Birmingham Rep offer a wide variety of music, theatre and ballet. Like films? Plenty of choice between Telford's ten-screen Odeon cinema or brand new Cineworld Imax cinema with 11 screens and D-box seating.

Nightlife

There are about 13 pubs in Newport, and around 120 in Telford. Eateries range from fish 'n' chip takeaways and pub grub to Chinese, Indian, Italian and fine dining. Telford's new Southwater development offers Zizzi's, Chimichanga's, Nando's, Bella Italia, Pizza Express, and Harvester.

Shropshire Young Farmers

The county has an active Young Farmers association, with 19 clubs and almost 900 members. Our nearest club is just a couple of miles away, in Newport, with others at Shawbury and Market Drayton.

Days out

Exploring from Harper Adams is easy with excellent road links – both the M54 and M6 are less than 20 minutes' drive away.

Here are some places current students suggest:

- Alton Towers and Drayton Manor Park.
- Ironbridge Gorge World Heritage Site.
- Shropshire Hills Discovery Centre, Craven Arms.
- Cannock Chase; Great for walkers, mountain biking and adventure play.
- Acton Scott – this historic working farm, was featured in the TV programme Victorian Farm and offers a fascinating insight into rural life at the turn of the 19th century.
- Birmingham, with its state-of-the-art Bull Ring complex, National Exhibition Centre (NEC), National Indoor Arena, Symphony Hall, shops, bars, restaurants, theatres, clubs and galleries is less than 40 miles away.
- Staffordshire, dubbed the 'Creative County', is Shropshire's near neighbour and home to the rocky beauty of The Roaches and Lord Lichfield's ancestral home, Shugborough.
- The campus is just a few miles from the Welsh border, with mountains, valleys and coast providing plenty of scope for field trips and leisure pursuits.



For a cultural day out, try dozens of stately homes, National Trust properties, museums, gardens and country parks such as Attingham Park, Cardingmill Valley, Wenlock Edge and Powys Castle (pictured).

Es

Essentials

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Admissions

Information about how to apply, entry requirements and money matters.
harper.ac.uk/apply

Minimum entry requirements:

Degree and foundation degree courses

1. At least five GCSE (junior certificate/National 5) passes (grade C and above) including Maths, Science and English Language. Key/Functional skills and other level two variants are not usually accepted as an alternative to GCSEs.
2. The relevant number of UCAS tariff points, or specified grades achieved through A or AS levels, BTEC/City and Guilds Extended Diploma, International Baccalaureate, higher level Irish Leaving Certificate, Scottish Higher/Advance Higher, Harper Adams Extended Foundation Degree Programme (EFDP), or any other qualification deemed by Harper Adams to satisfy the minimum requirement. See the table on page 147.
3. Course specific requirements by subject and/or grade.
4. Work experience where specified (see table on page 148 and Notes on page 149)
5. Please note that the GCSE requirements for Veterinary Nursing and Veterinary Physiotherapy courses are higher than the minimum stated above for applicants entering the courses with Extended Diploma

qualifications. Please refer to the table on page 149 for more information.

Extended Foundation Degree Programme

1. Minimum age of around 17 ½ years by the start of the course.
 2. Eight or nine GCSE (Junior certificate/National 5) passes (grade C and above) including Maths, Science and English Language. Key/Functional skills and other level two variants are not usually accepted as an alternative to GCSEs.
 3. Applicants studying level 3 qualifications will be expected to demonstrate their continued commitment to their education by completing these
 4. Work experience where specified (see table on page 148 and Notes on page 149).
- For general advice on support and the services available, contact Admissions on +44 (0)1952 815000. admissions@harper-adams.ac.uk

Mature students

Candidates aged over 21 without formal academic qualifications may be admitted provided that, in the opinion of the admissions tutor, they can benefit from the course and have the ability to attain the necessary standard for success.

Candidates will be expected to have a significant amount of relevant work experience in lieu of required grades.

Entry requirements

See pages 148-149 for the entry requirements for each subject area. These are the offers we expect to make for 2017 entry under the new UCAS tariff. We recommend you check ucas.com or call our Admissions team for the most recent information.

While we make every effort to ensure the information provided is correct, entry requirements are liable to change at any time without prior notification.

For instance, entry requirements for some courses may be raised, and you may be asked for specific grades, subjects or work experience, especially for animals, veterinary nursing and agriculture courses.

Please also note that at the time of publication, UCAS was in the process of updating its tariff point system. The new UCAS tariff is applicable for 2017 entry. The Harper Adams University website and UCAS course pages will always have the most up to date entry requirements published.

The stated requirements act as a guide to the type of offers we are likely to make. This information is correct as at January 2016.

- All MEng/BEng/BSc/FdSc courses require a minimum of five GCSEs (junior certificates/National 5) at grade C or above including Maths, English

Language and Science. Key/ Functional Skills (and other level two variants) and First Certificates/ Diplomas are not normally accepted in place of GCSE passes.

- Please note that the GCSE requirements for Veterinary Nursing and Veterinary Physiotherapy courses are higher than the minimum

stated above for applicants entering the courses with Extended Diploma qualifications. (Please see the entry requirements table for more information)

- Please check ucas.com for the most up to date information, or call Admissions on +44 (0)1952 815000

A guide to tariff points

*Must be accompanied by ASL - contact Harper Adams Admissions Department for details.

General or Vocational A Levels	General or Vocational A-S Levels	BTEC Level 3 Extended Diploma (National Diploma from 2018 entry)	City & Guilds Level 3 Extended Diploma (National Diploma from 2018 entry)	Irish Leaving Certificate	Scottish Highers
A* = 56	A = 20	D*D*D* = 168	D* = 168	A1 = 36	A = 33
A = 48	B = 16	D*D*D = 160	D = 144	A2 = 30	B = 27
B = 40	C = 12	D*DD = 152	M = 96	B1 = 30	C = 21
C = 32	D = 10	DDD = 144	P = 48	B2 = 24	D = 15
D = 24	E = 6	DDM = 128		B3 = 24	
E = 16		DMM = 112		C1 = 18	
		MMM = 96		C2 = 18	
		MMP = 80		C3 = 12	
		MPP = 64		D1 = 12	
		PPP = 48		D2 = 9	
				D3 = 9	

These tariff points are applicable from the 2017 UCAS cycle (starting in September 2016) and differ from the points used prior to this. The new tariff will apply to past and future qualifications once in use.

Tariff points

For some courses you must have specific qualifications, tariff points, and/or practical experience, and we have detailed these on pages 148-149. However, please note these are a general guide to the

approximate number of UCAS tariff points required for each course. Offers may vary; all applicants are interviewed and considered on their individual merits. Further information on tariff points and specific entry

requirements can be found on the UCAS website and if you're not sure you can contact our Admissions Office for advice:

- +44 (0)1952 815000.

Entry requirements

Course	A level tariff	A level specifics	BTEC Level 3 Ext'd Diploma*	C&G Level 3 Ext'd Diploma*	Scottish Highers	Irish Highers	Welsh Baccalaureate Core	Notes (see page 149)	
Agriculture									
BSc	104-120	Minimum 3 A2 passes	D*DD (minimum 13 units at D)	D (min 15 units at D)	ABBB	4x B1	When considering the entry qualifications of applicants, we will primarily look to their main level 3 qualifications, such as A Levels, when making an offer. The Welsh Baccalaureate, will be considered to enhance an application over the tariff point threshold, rather than contribute towards it. We do not consider it as the equivalent to an A Level. Only a proportion of the points will be accepted from it for that reason. We encourage applicants to work to their full potential and acknowledge the workload requirement to study other qualifications alongside their main level 3 study, however, we feel that the main focus of any academic study should be the A Level subjects.	Note A/B/J/M	
FdSc	72-88	Minimum 2 A2 passes	DMM (minimum 13 units at M)	M (min 15 units at M)	BCCC	B1 + 2x C1		Note A/B/J/M	
Animal Studies									
MSci/BSc (An Sci/ Bio) [†]	104-120 From 3x A2	A2 Biology C (or equivalent)	D*DD (minimum 13 units at D)	D (min 13 units at D)	AABB (including Biology)	AABB (including Biology)		Note A/F/J	
BSc (AHW/ ABW) ^{††}	88-104	A2 Biology C (or equivalent)	D*DD (minimum 13 units at D)	D (min 13 units at D)	BBBB (including Biology)	BBBB (including Biology)		Note A/F/J	
FdSc	48-64		MMM (minimum 13 units at M)	M (min 13 units at M)	CCCD	CCCD		Note A/F/J	
Business									
BSc	88-104	From A2 exams only	DDD (minimum 12 units at D)	D (min 12 units at D)	BBBC	BBBC			
FdSc	72-88	From A2 exams only	DMM (minimum 12 units at M)	M (min 15 units at M)	CCC / BB	CCC / BB			
Countryside, Environment and Wildlife									
BSc	88-104	CEM–Science required WC – Biology required	DMM	D	BBBC	BBBC			
FdSc	64-72		MMM	M	CCC / BB	CCC / BB			
Engineering									
MEng	120-144	A2 Maths C	n/a	n/a	AAAB	AAAB	Note A		
BEng	96-112	A2 Maths D	D*DD (minimum 13 units at D) (Note O)	D (min 13 units at D) (Note O)	ABBB	ABBB	Note A		
BSc	72-88		MMM (minimum 13 units at M)	D (min 13 units at D)	BBBC	BBBC	Note A/N		
Food Science, Technology and Innovation									
BSc	88-104	FNWB-science required	MMM	M (min 13 units at M)	BBBC	BBBC	Note A/C/K/L		

Geography								
BSc	96	A2 Geography	DMM	D	BBBC	BBBC		
Rural Estate, Property and Land Management								
BSc REALM	104		DDM	D	ABBB	BBBB		Note G
BSc RPM	88		DMM	M	BBBC	BCCC		Note G
Veterinary Nursing								
BSc	104-120	A2 Biology C (or equivalent)	D*DD (minimum 13 units at D) (note E)	D* (minimum 13 units at D) (note E)	ABBB (including Biology)	ABBB (inc Bio)		Note A/D
Veterinary Physiotherapy								
BSc	ABB	A2 Biology A plus another science	DDD (minimum 13 units at D) (note H)	D (minimum 13 units at D) (note H)	AAAB (including Biology + another science)	AAAB1		Note A/D
Extended Foundation Degree Programme								
Eight GCSEs at grade C or above including Maths, English Language and Science. However each applicant is judged on their merits. Note I								

* All level 3 Extended Diplomas must be studied in a relevant subject area to be guaranteed consideration

† Animal Production Science and Bioveterinary Science

†† Animal Health and Welfare, and Animal Behaviour and Welfare

Notes on entry requirements

Basic requirements: Five GCSEs (including Maths, English Language and Science). Alternatives (i.e. key/functional skills) are not usually accepted in lieu, although each application is assessed on its merits.

Note A General Studies and Critical Thinking are encouraged but not included in grades required

Note B 10 weeks relevant work experience

Note C Applicants are encouraged to gain relevant work experience

Note D 2 weeks relevant work experience required before interview (within 18 months), 4 weeks in total #

Note E Required GCSE passes must be to grade B

Note F 6 weeks relevant work experience #

Note G 5 days' work experience with a Land Agency/Rural Practice Chartered Surveying firm or estate office #

Note H 5 GCSEs at grade A including Science and English Language, and Maths at grade B or above

Note I Required GCSEs must be completed prior to application, and applicants studying qualifications, such as AS levels at the point of application should expect offers including their completion, to demonstrate their continued commitment to their education

Note J When combining qualifications, no more than one Subsidiary Diploma will be considered alongside A levels (2 A levels for BSc and 1 A level for FdSc)

Note K A levels – no more than 2 arts-based subjects out of 3

Note L Food Technology at GCSE and/or A level preferred (but not mandatory)

Note M A level Biology preferred (but not mandatory)

Note N Maths or Physics preferred (but not mandatory)

Note O To include an appropriate Level 3 Maths unit at Distinction

All work experience must be completed by 3rd August 2017 for September 2017 entry

Applying through UCAS.com

For admission to first degrees and foundation degrees (including the Extended Foundation Degree Programme) or top-up full-time or sandwich courses you must apply through the Universities and Colleges Admissions Service (UCAS). Application fee: Two to five choices £23 or one choice £12.

This information was correct at January 2016.

➤ UCAS Customer Service Unit

0371 468 0 468
(for callers in the UK)

+44 871 468 0 468
(for callers outside the UK)

For callers with hearing difficulties: From the UK
18001 0371 468 0 468

From outside the UK dial
+44 330 330 230.

UCAS course codes are provided on course pages. Harper Adams UCAS Code Number: H12

When to apply

Your application should normally reach UCAS between 1 September 2016 and 15 January 2017 for entrance in September 2017. UCAS specifies 15 January as the last date for receipt of 'on time' applications. In practice, however, late applications are accepted and processed by UCAS throughout the remainder of the application year where courses remain open. UCAS advises that late applications are only considered by institutions at their discretion.

However, we guarantee to consider applicants for all courses, irrespective of the timing of the application,

provided there are places still available. Please be aware that in recent years we have been unable to consider Veterinary Nursing applications received after 15th January. Where a course is no longer available it, will be marked as 'closed' on the UCAS course search.

➤ ucas.com/students/apply

English language requirements

We accept IELTS and Trinity College London proof of English language ability. The level of English language scores accepted by Harper Adams University can be found at harper.ac.uk/eng-lang

Please note that English language requirements can change without warning due to the requirements of the UK Home Office and the University is bound by these requirements for all students requiring a visa to study.

➤ <https://www.gov.uk/tier-4-general-visa>

Applying directly to Harper Adams

Applicants for BSc (Hons) Veterinary Nursing and Diploma in Advanced Veterinary Nursing (DipAVN) should apply directly to Harper Adams.

➤ Contact Susan Howarth on showarth@harper-adams.ac.uk or Admissions on +44 (0)1952 815000

Deferred entry

Applications from candidates who have chosen not to come straight from school or college, particularly if they are gaining practical work experience, are welcome. A year between school or college and university

can enhance a student's maturity and motivation. It is important to explain how you are spending your gap year to support your application. If you are considering a year out you should apply in the usual way in your final year at school or college. If you then decide that you wish to start earlier, contact our Admissions Office as soon as possible.

Minimum age

To study on a degree or foundation degree at Harper Adams you must normally be around 17½ by the start of the course. You must turn 18 no later than 1st May in your first year of studying here. Students must abide by our regulations for students aged under 18.

Work experience

Harper Adams is unique in the UK in that all its degree and foundation degree courses include a year of work experience during placement.

However, you may be exempt from placement if you already have substantial relevant work experience of two or more years. Because of the applied nature of courses, we request evidence of your appropriate experience. For certain courses, such as veterinary nursing, veterinary physiotherapy, agriculture, and animals courses, a minimum amount of prior practical experience is normally required before entry. Others require a minimum amount of work experience before the start of the placement year. Your experience will be assessed in the admissions process. Some students may be advised to undertake

further work experience either prior to entry or during vacations while on the course; others may be advised to complete a pre-university year of experience.

Selection and interview

Your application is normally received by our Admissions Office within a few days of you submitting it to UCAS. You will receive an email from us confirming receipt, which will include your student number and other key information.

Your application will then be considered by the Admissions Officer, who will look carefully at the information you have given about yourself, your reference, your academic record, and any predicted grades. We will also read your personal statement in detail to ensure it is in line with the course applied for. Your application may also be reviewed by the Course Manager.

All potentially suitable applicants who live in the UK, the island of Ireland and the British Isles, will be invited for interview before being offered a place. We aim to keep interview days as relaxed as possible and give you (and your guests if they would like to accompany you) an opportunity to learn more about us, see our facilities and meet current students. Your interview will be used as part of the selection process, and details of what to expect will be included in your invitation email. You will also be able to discuss course content and other aspects of your chosen subject area with academic staff and benefit from their advice.

Please note that all applicants for Veterinary Nursing and Veterinary Physiotherapy (regardless of their home location) are required to have an interview prior to an offer being made. Applicants from outside the European Union may be interviewed by telephone or via Skype or a similar online service.

We aim to give at least two weeks' notice of your interview date, although at busy times we may offer you a cancellation first. If you cannot attend on that date please let us know as a matter of urgency so we can try to arrange a suitable alternative date.

We know that travelling to interviews can be expensive and time consuming, but believe it is essential for you to find out as much as possible about Harper Adams and get to know us before deciding where to spend these important years of your life.

Conditional and unconditional offers

The Course Manager will decide whether to make you an offer and whether to attach any academic or work experience conditions.

If an offer is made and you have exams pending you can expect to receive a conditional offer specifying grades or point scores. Your offer may also include a work experience element.

Please ensure that you are fully aware of all your offer conditions and adhere to any deadlines that may be attached, especially for work experience requirements. You must also ensure that the offer made exactly matches the qualifications that you are studying. We place equal weighting on all offer conditions and no place will be confirmed without work experience being completed, even if the academic conditions are met.

If you have already satisfied the minimum entrance requirements, and are otherwise suitable, you will receive an unconditional offer.

➤ [harper.ac.uk/apply](https://www.harper.ac.uk/apply)

UCAS code: H12

Fees and funding

Visit harper.ac.uk/ugfees for a complete list of 2017/18 undergraduate course fees, when they become available.

Tuition fee loans: the facts

- Loans for tuition fees are available to UK/EU students new to higher education to cover the full cost of their tuition and will be paid directly to Harper Adams by Student Finance.
- You will not have to pay for tuition fees up front if you access a loan.
- You only start paying back after completing your studies and when earning over £21,000 per year. This figure applies to students from England. Different rates may apply to other devolved nations.

The finance support package available means that for many, higher education is more accessible financially, even with the current fee levels. Harper Adams is committed to supporting our students through a range of scholarships. Government loans and grants are also available.

➤ www.moneysavingexpert.com offers good, easily understandable advice on student finance.

Fees for 2017 entry

The full-time undergraduate tuition fee for 2016/17 for students from the UK and EU was £9,000 for all courses.

However, as the fee for the sandwich placement year was just £1,800, this means the average annual fee for

a four-year honours degree is £7,200. The average fee for a three-year foundation degree was £6,600.

The tuition fees for 2017/18 had not (at the time of printing, January 2016) been agreed but it is expected that fees will increase each year by three to five per cent.

Additional costs

Details of items you are expected to purchase for your studies here can be found here: ➤ harper.ac.uk/kit

International students

At the time of writing 2017/18 fees for international undergraduate students, had not been published. Fees will be detailed on our website as soon as they are available.

International fees for 2016/17 were £10,200 and £3,100 for placement.

➤ For the most up to date information visit harper.ac.uk/ugfees

Financial support for UK and EU students through Harper Adams Industry scholarships

Harper Adams has links with more than 500 companies and our graduates are highly sought after in the marketplace. As a result we are able to offer an ever-increasing number of scholarships from the private sector. We also have a growing number of subject-specific scholarships which are offered on a competitive basis.

Development Trust scholarships
The Development Trust raises funds to create scholarships for those in financial need, and to help attract the best possible students to continue our long tradition of providing high quality university education.

A number of new partnerships have been formed, leading to the creation of several new industry scholarship schemes. We now offer around 100 scholarships. These take a variety of forms, from help with tuition fees, to paid work placements, support of final year projects, and employment upon graduating as long as certain criteria are met. Scholarships may be awarded for one, two or three years.

As well as scholarships generously funded by trustees of the Development Trust we are pleased to be able to offer awards funded by a number of agricultural societies, trusts and national and local charities with an interest in land-based higher education, as well as a wide range of awards funded by businesses.

Information was correct at the time of printing (January 2016) but should be checked against the most up-to-date information available on the university's website.

➤ harper.ac.uk/money



Financial support for English students through the Government

- Maintenance loans are available to full-time students to help with living costs such as food, accommodation and travel.
- A loan of up to £8,200 will be available if you live away from home (£6,904 will be available if you live with your parents).
- These are paid directly into your bank account.
- As with tuition fees, you will only have to begin paying back once you have

graduated and are earning more than £21,000 a year.

➤ Further details are available at harper.ac.uk/money

Additional funding

This information applies to students from England. If you are from elsewhere in the UK or beyond please visit the DirectGov website for further information:

➤ www.gov.uk/student-finance

Depending on your circumstances you may be able to apply for other state help such as the:

- Childcare Grant
- Parents' Learning Allowance
- Disabled Student's Allowance
- Adult Dependents' Grant

This information was correct at the time of printing, January 2016.

➤ For the most up to date information on fees and finance visit: www.gov.uk/student-finance

Visit us

There are many opportunities to get to know more about Harper Adams and to come and see what is on offer here.

Open Days 2016

Prospective students of any age, and their families, are invited to attend our open days, which are to be held on:

10 July

20 September

16 October

20 November

There will be guided tours of the campus, course talks, tours of the farm, an opportunity to meet staff and students and learn more about finance, accommodation and student life. Everybody is welcome at whatever stage or year in their studies. Prospective students are advised to register for one of these events.

➤ Please book online at harper.ac.uk/events

Harper Adams Experience (HAE) 10-11 July 2016

This is probably the best way to experience the life of a Harper Adams student, as well as picking up lots of advice on HE courses in general. It is a two day (one night) residential taster course on campus and 16-17 year-olds from all parts of the UK and Ireland will be taking part. Pre-booking is essential and spaces are limited to the first 350 students to apply.

Don't forget to visit the Harper Adams Experience group on Facebook.

Campus tours

We stage afternoon tours of the campus throughout the year.

➤ harper.ac.uk/events

or e-mail:

➤ events@harper-adams.ac.uk

For more info on events scan here



UCAS HE Fairs 2016

Higher Education (HE) Fairs, organised in conjunction with UCAS, take place in various regional and county locations in the UK and Ireland.

We will have a representative at the following HE Fairs who will be pleased to give you advice on the right courses for you. These events are particularly aimed at Year 12 students. Check out the UCAS website for a more detailed list ucas.com/news-events/events

2-3 March	Manchester
9-10 March	Belfast
14-15 March	Surrey
14-15 March	Bristol
17 March	Hereford and Worcester
21 March	North East Wales
21-22 March	Sussex
22 March	West Wales
23 March	Dorset
23 March	Cardiff
11 April	Cornwall
12-13 April	Exeter
13 April	Lincolnshire
20-21 April	East Midlands
26 April	Norfolk
28 April	Tyneside
13-14 June	Merseyside
15-16 June	West and North Yorkshire
17 June	Sheffield
20-21 June	Kent and Medway
20-21 June	Bedfordshire
22 June	Cambridgeshire
27-28 June	Birmingham
29 June	Staffordshire
30 June	Suffolk
1 July	North and West Cumbria

Harper Adams on tour 2016

We attend various agricultural and technical shows in the UK and Republic of Ireland, including those listed here.

Students and their families are welcome to join us on the Harper Adams' stand. For the latest dates check harper.ac.uk/shows

5-7 January

20-21 January

10-11 May

11-13 May

21-22 May

28 May

9-11 June

9-11 June

15-16 June

22-23 June

23-26 June

29-30 June

6-7 July

9 July

12-14 July

18-21 July

27 July

29-31 July

4-7 August

6-8 September

14 September

20-22 September

28-29 November

Oxford Farming Conference

LAMMA

British Pig and Poultry Fair

Balmoral Show

Royal Welsh Spring Festival

Shropshire Show

Royal Cornwall Show

South of England Show

Cereals

Lincolnshire Show

Royal Highland Show

Royal Norfolk Show

Livestock 2016

Newport Show

Great Yorkshire Show

Royal Welsh Show

National Sheep Association Event

The Game Fair

BBC Countryfile Live

Ento 16

UK Dairy Day

Ploughing Champs

Welsh Winter



THE EDIBLE BUG CHALLENGE

Are you brave enough to take the challenge?



Chapulines



Locust



Mealworm

www.harper-adams.ac.uk



Campus Plan Key

Halls of Residence

- 1. Princess Royal
- 2. Leverhulme and Jerman
- 3. Harris
- 4. Ward
- 5. Gloucester
- 6. Bradford
- 7. Boughey
- 8. Darby, Jebb, Silcock and Darwin
- 9. Flatt Road Houses

Main Buildings/Teaching

- 10. Main Building (Reception)
- 11. Aspire Centre (Short Courses and Conferences Reception)
- 12. North West Building
- 13. Skills Training Centre
- 14. Regional Food Academy
- 15. The Weston Building
- 16. Postgraduate and Professional Development Centre
- 17. Jubilee Adams
- 18. Agricultural Engineering Innovation Centre
- 19. Applied Engineering Facilities
- 20. Princess Margaret Building - Science Laboratories

- 21. Laboratories Extension
- 22. Foulkes Crowther Building (TG/TF/Lecture Theatre)
- 23. Barnford Library and Engineering Design Centre
- 24. Faccenda (Student Centre)
- 25. Queen Mother Hall (QMH)
- 26. Veterinary Services Centre
- 27. Jean Jackson Entomology Building
- 28. Companion Animal House
- 29. Anatomy Teaching Laboratory
- 30. A-Block Teaching Rooms
- 31. B-Block Teaching Rooms
- 32. Frank Parkinson Farm Education Centre / Frontier Crops Centre

Sports and Leisure

- 33. All-weather Sports Pitch
- 34. Main Rugby Pitch
- 35. Rugby/Gaelic Football Pitch
- 36. 2nd Team Rugby/ Training Pitch
- 37. Harris Football Pitch
- 38. Barnyard Football Pitches
- 39. Main Bar and Welly Inn
- 40. Sports Hall
- 41. Multi-gym
- 42. Squash Courts
- 43. Outdoor Swimming Pool
- 44. Multi-use Games Area (MUGA)
- 45. Cricket Pitch
- 46. Bowling Green

Farm

- 47. Farm Seminar Room
- 48. Pig Unit
- 49. Beef and Sheep Unit
- 50. Dairy Calf Hutches
- 51. Farm Records and Information
- 52. Dairy Unit
- 53. Youngstock Building
- 54. Commercial Poultry

Other Facilities

- 55. Poultry Research
- 56. C-Block (Linden Hall GP Surgery)
- 57. D-Block
- 58. Crop and Environment Research Centre (CERC)
- 59. Estates Department
- 60. Laundry Building
- 61. Porters' Lodge
- 62. Pyroformer CHP Unit
- 63. Off-Road Demonstration Track
- 64. Dairy Crest Innovation Centre

Terms and Conditions

Our full terms and conditions can be found here:

➤ harper.ac.uk/TandC



Disclaimer

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implement changes where necessary. The views expressed by students, alumni and employers featured in this publication are not necessarily those of the institution and are not intended to amount to advice on which you should rely. For additional and the most up to date information visit harper-adams.ac.uk

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Hau

Our World

Your element

Please note: The 'elements' featured in this prospectus are for illustrative purposes only and do not relate to existing elements.



Open days 2016

Sunday 10 July

Tuesday 20 September

Sunday 16 October

Sunday 20 November

Harper Adams Experience

10-11 July

Harper Adams University

Newport
Shropshire
TF10 8NB

www.harper-adams.ac.uk
Admissions: 01952 815000

Facebook.com/HarperAdams

Twitter.com/HarperAdamsUni

Youtube.com/HarperAdamsUC

Instagram.com/HarperAdamsUni

LinkedIn/harper.ac.uk/LinkedIn