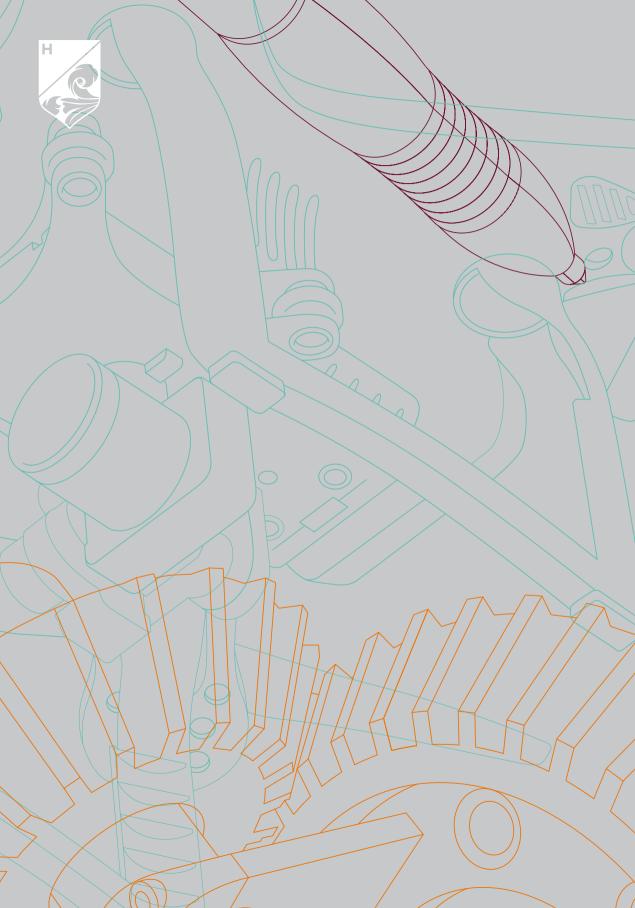
Undergraduate
Prospectus
2019

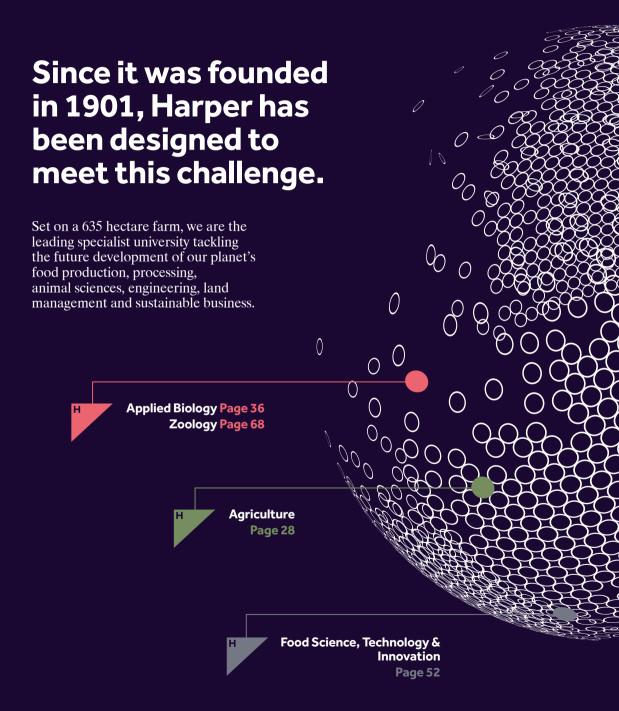


Harper Adams
University

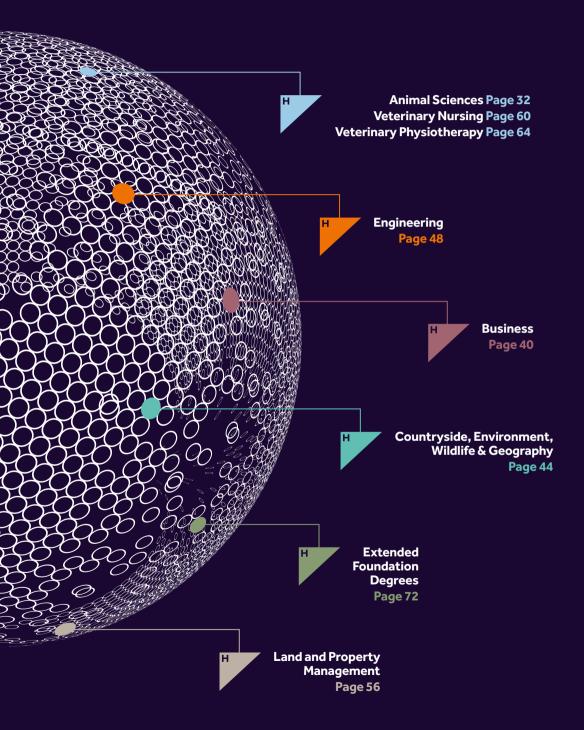


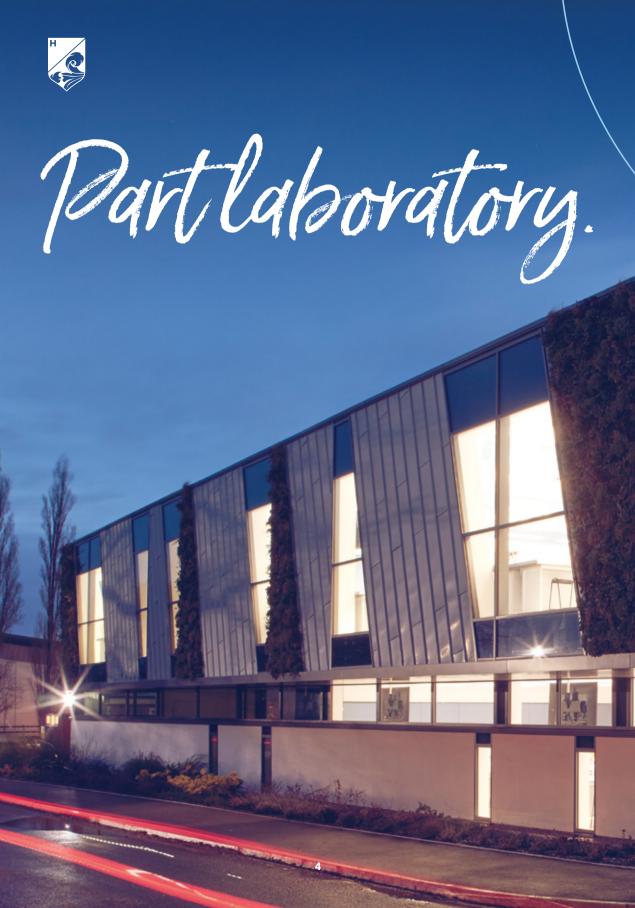
As the population grows, so do our demands on the planet. Managing this resource has never been so important.

The Harper world. More than farming.











With everything from molecular diagnostics laboratories to food processing facilities at your disposal, you'll be well equipped to experiment.

We currently offer the only entomology undergraduate degree in the UK (see page 68).





Part farm.





There are 550 hectares of farm land to work with here, so testing your theory in the field is more than a possibility. It's a reality.

Making Western diets healthier: research by PhD student Bethan Till (opposite) will increase the health benefits of milk and cheese by feeding microalgae to cows.

harper.ac.uk/bethan





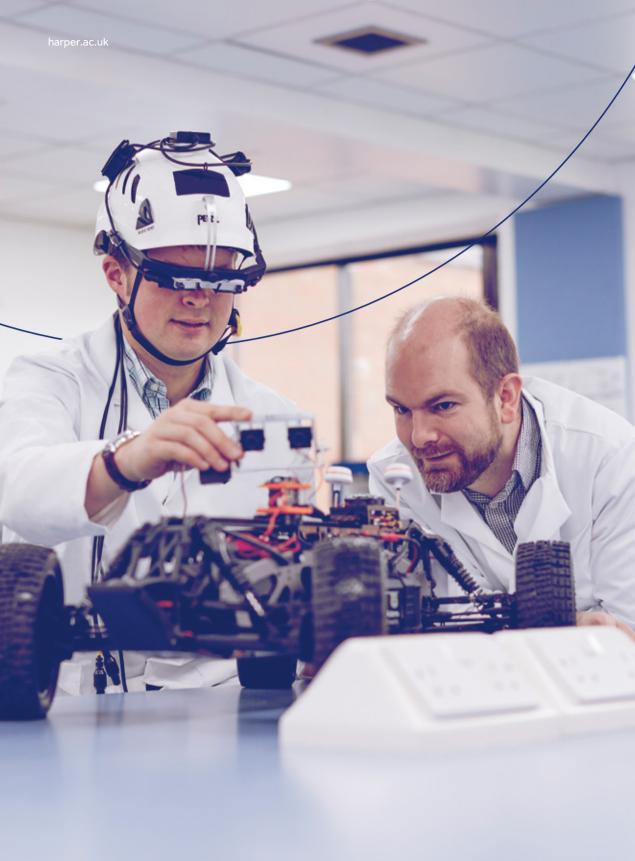
Part invention





From crop-spraying drones to life-saving technology, we don't just dream up new ideas and innovations here. We build them.

The Weasel, a remote controlled vehicle for bomb disposal and remote drive of military vehicles (opposite) is one of many innovative student projects at Harper Adams.





Part think tank.



Our research brings together staff and students to tackle the big problems that our planet faces today.

Robot farmers. With our partners Precision Decisions, we achieved a world first with the Hands Free Hectare project, by farming a field exclusively with robots.

harper.ac.uk/hfh





Part industry.

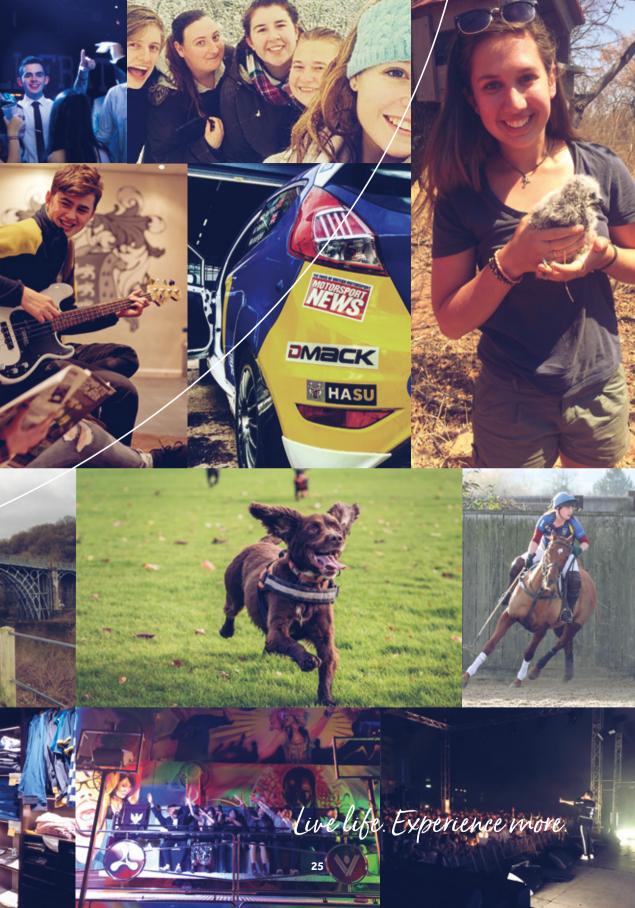


With a placement as part of every course, and more than 700 links with businesses, you won't just learn about industry. You'll be a part of it.

From protecting our waterways to being a countryside ranger or developing new food products, your placement year opens doors.









Alltarper.



- 98% graduate employment, joint highest in the country ¹
- 800 students living on campus
- ▼ Top six student satisfaction²
- Best in the UK for student support, job prospects, and courses and lecturers³
- £413,000 awarded in student scholarships by the university's Development Trust in 2016/17
- 2018 Modern University of the Year⁴
- Awarded Queen's Anniversary Prize 2017
- University of the year 2017³
- ▼ Gold teaching award (TEF)⁵
- ▼ Best university for student experience⁶



Agriculture



Agriculture feeds the world and as the population grows so do the challenges we face.

The world needs talented, highly-skilled farmers, managers and advisors to ensure this vital, diverse and technological industry is fit for the challenges ahead. As the leading university for the agri-food chain and rural sector, Harper Adams is the best place to develop your talent.

We're here to help. Ask which of our specialist degrees will help you achieve your ambitions.

Course Manager

Dr Russell Readman +44 (0)1952 815380 rreadman@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

For more than 115 years our agriculture graduates have been excelling in an increasingly diverse, advanced technological industry. They're hard-working, independent problem-solvers who enjoy using their skills, and the application of science and technology to achieve the best outcomes.

Our students don't all come from farming families. What they share is a passion for agriculture, the desire to make the most of their university life, and to make a difference.

With the changing emphasis on land use and issues such as food security, reconnecting the food chain, protecting the environment, sustainable production and applying new technologies to improve efficiency, our graduates are proof that the agriculture industry offers a bright future. Are you ready to join them?

Teaching staff are experienced in crops, animals, food, business and engineering, and they know how industry works. Our courses are demanding – you'll be expected to work independently and do a research project.

But you won't just learn in the classroom and library - the university farm is a fantastic way to see agriculture in action, not to mention visits to other agriculture and food-related businesses and talks from industry figures.

What you will study

In the first year all agriculture students study the same modules, giving you a good general overview of what happens on-farm. You can then continue with general agriculture, or choose to specialise in animals, crops, business or mechanisation.

Typical first year BSc modules are:

- Agricultural Mechanisation and Buildings
- Agri-food Marketing
- Animal Production Systems
- Assessment of the Farm Business
- Bioscience for Agriculture
- Crop Production Systems
- Environmental Science for Agriculture
- Skills for the Agricultural Professional

Foundation degree modules are broadly similar but include Rural Skills.

Careers

Employability is outstanding for agriculture graduates. They work across the food supply chain at home and overseas as, for example:

- Agronomists
- Animal nutritionists
- Business owners
- Consultants and advisors
- Dairy specialists
- Estate managers
- Farm managers
- Field sales specialists
- Mechanical engineers
- Teachers

Dr Russell Readman

"Agriculture courses at Harper Adams give you sound technical and business skills, and the ability to apply these to solve the problems of the future."

- 12.5% of the UK population is actively involved in food production from farm to fork.
- More than 200 career areas in agriculture and the ancillary industries.



To study agriculture at Harper Adams, you'll need at least ten weeks of work experience on a commercial farm by 1st August in the year in which you start the course. If you're struggling to achieve this we can help. Our new Access to Agriculture route gives students from non-farming backgrounds applying for BSc programmes the chance to build their experience during the first year of their degree. Call us or visit the website for more details: harper.ac.uk/a-2-a+44 (0) 1952 815000

Working with industry

The biggest names in the business value Harper Adams graduates and placement students, including: ABP, ADAS, Agco, Agrovista, Alltech, Andersons, Beeswax Farming, CLAAS, Dalehead Foods, Defra, Faccenda, ForFarmers, Frontier Agriculture, Holstein UK, Hutchinsons, John Deere, McDonalds, PD Hook, Syngenta, Sentry Farming and Velcourt.

Several companies sponsor agricultural scholarships, providing placements and contributing toward tuition fees. Some also support research and prizes.

Your placement

All agriculture students benefit from a year of paid work in the agricultural industry in the UK or overseas. With our support you'll choose and settle into a role that suits your chosen degree specialism and career plans.

You'll have a dedicated placement manager, support officer and tutor to visit you whilst on placement. You might work on a farm or estate, in a multinational company, or a smaller business, in a machinery dealership, or a consultancy. If you have a family farm and want to do a farm-based placement, you must undertake it at least 50 miles from your home farm. It is not permitted to undertake placement with a previous employer.

Facilities

We are fortunate to have our own commercial farm on campus, where students can see the food supply chain in action, and theory put into practice.

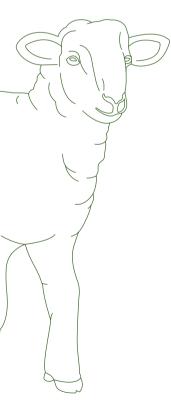
Extra qualifications

If you study BSc Agriculture or BSc Agriculture with Crop Management you may have the opportunity to undertake free FACTS and BASIS training at Harper Adams after you graduate, depending on how well you do on your course. We deliver these short courses on campus.

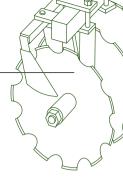
In their first year Foundation Degree students will be able, through the Rural Skills module, to gain practical skills qualifications such as tractor driving, chainsaw use and first aid.

Topping-up

Students with an appropriate Foundation Degree may be able to top-up to a full degree in Agriculture or one of the specialist routes. See UCAS for details or call the Course Manager.



Global population is projected to increase from 7bn to 9bn by 2050; food production needs to double just to meet demand.



Course	Level	▼ UCAS code	Duration (years)
Agriculture	BSc (Hons) FdSc	D400 D405	4 3
Agriculture with Animal Science	BSc (Hons)	D4D3	4
Agriculture with Crop Management	BSc (Hons)	D410	4
Agriculture with Farm Business Management	BSc (Hons)	D498	4
Agriculture with Mechanisation	BSc (Hons) FdSc	D492 D493	4 3

Entry requirements¹

	Tariff points	▼ A level specifics	BTEC Level 3 Extended Diploma
BSc courses	104-120	To include a minimum of three A2 passes. Biology preferred.	D*DD (minimum 13 units at D)
FdSc courses	72-88	To include a minimum of two A2 passes. Biology preferred.	DMM (minimum 13 units at M)

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



We have a responsibility to the pets we share our lives with, the livestock that feed us and the animals we work and play with.

We need talented, dedicated people to understand how animals' bodies work, to care for their health and welfare. The animals industry is full of diverse, exciting, and challenging careers for well qualified graduates.

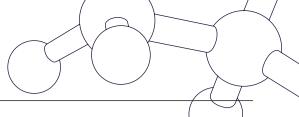
► Want to work with animals, but unsure which course is right for you? We can help. Get in touch to explore your options.

Course Manager

Stephen Baugh +44 (0)1952 815325 sbaugh@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000



You'll be taught by a large team of experts in their field: Veterinary surgeons and veterinary nurses, animal physiologists and nutritionists, specialists in animal behaviour and microbiology, molecular biologists and animal welfare scientists.

Class sizes are small and staff have an open-door policy, so you'll receive personalised guidance and advice.

Your learning won't just take place in the classroom – there will be lots of applied work in our extensive laboratories, the commercial farm on-campus, and in our Companion Animal House and Veterinary Services Centre. There will be field trips, talks from industry figures and the chance to develop further practical skills through our Farm Skills Programme.

Our graduates are renowned for their thorough knowledge of animal sciences; something that employers value and students enjoy, as the modules are very applied and the science elements are related to real life situations and the subject they are passionate about: animals.

Through this balanced approach to theory, applied work and your placement year, you'll develop the skills to help you get a job in this competitive industry: experience across species, and having the initiative to work both independently and in teams. You'll gain confidence, the ability to research and problem solve, to work effectively under pressure, to communicate well, and to stand out from the crowd.

What you will study

You'll study eight modules in your first year. Typical first year BSc modules, depending on your chosen course, include:

- Academic Skills Development
- Adaptive Biology
- Animal Production Systems
- Applied Anatomy and Physiology
- Biological Molecules and Genetics
- Companion Animal Management
- Fundamentals of Physiology
- Introduction to Animal Health
- Introduction to Animal Welfare,
 Behaviour and Ethics
- Introduction to Ecology
- Laboratory Techniques
- Large Animal Management
- Principles of Animal Health

See modules for every course online: harper.ac.uk/animal 19

Careers

In the future you could be in a hands-on role caring for zoo animals, creating a scientifically formulated new pet food in a high-tech lab or developing systems to improve farm animal welfare.

Our degrees give you the edge, with a combination of knowledge, hands-on skills, a year's work experience, confidence

harper.ac.uk/holocow

Holographic interactive cows are being brought into the classroom at Harper through cutting edge Mixed Reality technology.

- Eight courses to suit your needs, from foundation to masters degree level.
- Specialist facilities include an oncampus farm, Companion Animal House and Veterinary Service Centre.

and industry contacts. If you care about the welfare of animals and enjoy science, our team of animal experts will help you find your place in this ever-expanding industry.

Typical careers include:

- Animal charity roles
- Animal scientist
- Animal technician
- Clinical animal behaviourist
- Developing/selling animal feeds or medicines
- Education officer
- Health and welfare advisor
- Livestock manager
- Researcher
- Studying at vet school
- Veterinary physiotherapist
- -Zoo keeper

Working with industry

Harper Adams is highly respected in the industry and our graduates and placement students work for some of its key players in veterinary pharmaceuticals, animal nutrition, research, zoos, wildlife parks, health and welfare, quality assurance, farms and retail, including: ADAS, Alltech, APHA, Chester Zoo, Co-Op, Defra, Dogs Trust, Dudley Zoo, Durrell Wildlife Conservation Trust, Guide Dogs, NAF, and RSPCA.

Many of our industry partners sponsor projects, scholarships, research and prizes, as well as providing great placements and graduate careers.

Your placement

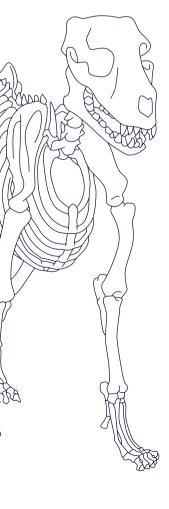
All Animals Sciences students benefit from a year of high quality work in industry, in the UK or overseas. We'll help you choose a role that suits your interests and career plans. It's a great way to get ahead of the competition, develop vital experience, meet interesting and influential people and, quite often, to get a graduate job. Placement is a great way to explore roles without committing long-term, and students often base their final year research on their experiences in the workplace.

Extra qualifications

Students have the chance to take industry qualifications whilst studying here. You could, for instance, qualify as an AMTRA Suitably Qualified Person (SQP). SQPs are animal medicines advisors who can prescribe and supply certain veterinary medicines.

Topping-up

If you have a foundation degree or HND in Animal Care or Animal Management and Welfare, or similar, you may be eligible to top up to a full degree in Animal Management, Health and Welfare or Animal Behaviour and Welfare. See UCAS for details or call the course manager.



"I chose Harper Adams because I thought 'why would you go anywhere else when you can be taught by the people who are at the top of their game?"

Josie Hatch, BSc (Hons) Animal Science, Cargill graduate trainee

▼ Course	Level	▼ UCAS code	Duration (years)
Animal Behaviour and Welfare (clinical), ASAB accredited	BSc (Hons)	D390	4
Animal Behaviour and Welfare (non-clinical)	BSc (Hons)	D391	4
Animal Health and Welfare	BSc (Hons)	D730	4
Animal Management and Welfare	FdSc	D392	3
Animal Production Science	MSci BSc (Hons)	D302 D301	5 4
Bioveterinary Science	MSci BSc (Hons)	D303 D300	5 4

Entry requirements¹

•	▼ Tariff points	A level specifics	▼ BTEC Level 3 Extended Diploma
MSci courses	104-120 from three A2 or equivalent	While A level Biology is not required, we do look for some biological knowledge	D*DD (minimum 13 units at D)
BSc Animal Science, and Bioveterinary Science	104-120 from three A2 or equivalent	in your qualifications or experience.	
BSc Animal Health and Welfare, and Animal Behaviour and Welfare	88-104		
FdSc courses	72-80	_	MMM (minimum 13 units at M)

¹Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



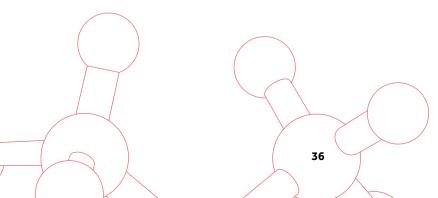
Choose a hands-on science degree that lets you make your mark. Choose Applied Biology.

Solving real world environmental problems, developing food and improving nutrition, designing animal and human medicines - applied biologists make a difference.

We're here to help. Ask which of our specialist degrees will help you achieve your ambitions.

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000



In our laboratories, on our farm and on placement, you'll study molecular, cellular and whole organism biology of micro-organisms, plants and animals.

You'll graduate with the in-depth knowledge and practical skills for a rewarding career in, for instance, research and development, biotechnology, pharmaceuticals, food or environmental science.

Applied biology will suit students who enjoy:

- Getting stuck in to science in the field and the lab
- Being creative and curious
- Thinking independently
- Solving problems and being analytical

And who are interested in:

- Science that relates to the real world
- -Living organisms
- Biological theories and practices

Field trips away from the campus will take place in the first and final years. But the applied nature of this programme means you will be moving from field to lab and back again throughout the four years.

What you will study

In the first year all Applied Biology students study similar modules, giving you a good general overview of the subject before specialising in your second year – there are four routes to choose from.

Typical first year BSc modules are:

- Academic Skills Development
- Fundamentals of Physiology
- Plant Physiology and Microbiology
- Introduction to Ecology
- Animal Production Systems
- Crop Production Systems
- Biological Molecules and Genetics
- Introduction to the Natural Environment

See modules for every course online: harper.ac.uk/bio19

The application of biology for the benefit of society and the environment is vital for a sustainable world. Our Applied Biology courses train scientists so they can play their part in achieving this.

- Teaching staff include research active animal and plant scientists, microbiologists, physiologists, ecologists, agronomists and plant pathologists.
- Facilities include fully equipped subject-dedicated teaching laboratories, on-campus farm, managed habitats, and research labs.

Careers

A degree in Applied Biology can open doors to a vast range of careers, including:

- Animal pharmaceuticals
- Biotechnology project management
- Environmental monitoring
- Food product development
- Life sciences research
- Roles connected to agriculture

Whichever direction you choose to go in, the applied nature of this programme means you will be ready to hit the ground running as soon as you graduate.

Work placement

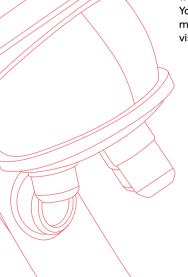
You'll learn a lot in your third year, spent working in a relevant field in the UK or overseas. During the placement year you'll put your ideas to the test. You'll develop the real world experience that employers want, as well as a deep working knowledge of your subject. You'll have a dedicated placement manager, support officer, and tutor to visit you whilst on placement.

Facilities

Learning extends beyond the classroom. There will be lots of applied work in our extensive laboratories, on our on-campus farm, across the university estate and on field courses.







Applied biology is one of the broadest sciences you can study, leading to many interesting careers.

Course	Level	UCAS code	Duration (years)
Applied Biology	BSc	AB01	4
Applied Biology with Agroecology	BSc	AB02	4
Applied Biology with Biotechnology	BSc	AB03	4
Applied Biology with Business Management	BSc	AB04	4
Entry requirements ¹			
•	Tariff points	A level specifics	BTEC Level 3 Extended Diploma
	104-120 from three A2	A biological science preferred but not	D*DD (minimum 13 units at D)

mandatory.

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



Harper people think and do. Make connections. See the bigger picture. Embrace the challenge. Get results. That's why Harper means business.

Business skills and knowledge are the vital links in the supply chain, the glue that holds every profession, every sector together. Harper Adams is a small university but we think big. We're based in the English countryside but our outlook is global. We are at the heart of the whole supply chain and the skills we teach are universal.

We're here to help. Not sure which of our courses will suit you best? Want further details or advice? We're happy to chat:

Course Manager

Pam Whitehouse +44 (0)1952 815262 pwhitehouse@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000 We will help you develop the skills, knowledge and attitude to succeed in business, whatever field you choose. You'll be taught by industry professionals who'll help you to analyse and solve problems, manage finance, identify new markets and think like entrepreneurs.

You won't just learn in the classroom. Students here learn how to DO things and how things are done in the real world – from how the latest tech is improving customer experiences and marketing reach, to preparing a sales pitch for a client.

Plus there will be trips to see businesses in action, guest speakers from industry, and unique on-campus resources such as our commercial farm – even if your future doesn't lie in food or agri-business, it's a great example of how to manage a complex business operation and supply chain.

And then there's our location. Many universities in the UK teach business but few do it in such a friendly, inspiring setting in the heart of the countryside and yet close to the town. There's a great social life on campus too.

See modules for every course online: harper.ac.uk/business19

Careers

Our highly applied degrees put you ahead of the pack with a combination of knowledge, transferable skills, a year's work experience, confidence and industry contacts. Almost every career you can

think of involves having some business knowledge and skills – and coupled with Harper Adams' outstanding reputation and a year of high quality work experience on placement, you'll have the tools to achieve business success in the huge agri-food sector and beyond. Or you could follow the example of many Harper graduates to set up your own business.

Typical graduate careers include:

- -Accountancy
- Agricultural account manager
- Banking and finance
- Business consultancy
- Business ownership
- Buying and merchandising
- Commodity trading
- -Consultant/advisor
- Distillers
- Distribution
- Event management
- Farm inputs and outputs
- Financial management
- Market research
- New product development
- Online technologies
- Personnel management
- Product technology
- Promotion and advertising
- Public relations and journalism
- Purchasing
- Quality management

Kiron Phillips, FdSc Business Management with Marketing Founder of RK Vodka Ltd. (pictured opposite) "The placement year was a big reason for choosing Harper. I am a practical learner and so my placement year was hugely valuable, not least because I was earning a salary and saving money to allow me to set up my own business."

41

- Business graduates in professional jobs earn on average £5,886 more than those in a non-professional job.
 The Complete University Guide
- The experience students develop during their placement year puts them ahead when it comes to careers.

- Recruitment
- -Research
- Retailing
- Sales and marketing
- Telecommunications
- Tradina
- Travel management

Working with industry

Harper Adams is highly respected and our graduates and placement students, work for some of the biggest names in the agri-food sector amongst others, including: ADHB, Anglia Farmers, Asda, Archer Daniels Midland Trading, Cargills Meat Europe, Claas, Dairy Crest, Delinio, Eddie Stobart, Enterprise Rent-A-Car, Faccenda, Frontier Agriculture, Gasson Consultancy, McDonalds, MMUK, NFU and Univeg UK.

Many of our industry partners also sponsor student projects, scholarships, research and prizes.

Your placement

Many graduates leave university with a head full of knowledge but little practical experience of the real world. All of our students graduate with a year of high quality work on their CV, gained during their placement year. It's a great way to explore career options, stand out from the crowd, meet influential people, have real experience to talk about in job interviews and, quite often, to get a graduate job with your placement employer.

We'll help you choose a role in the UK or overseas that suits your interests and career plans. You'll have a dedicated placement manager, support officer, and tutor to visit you whilst on placement.

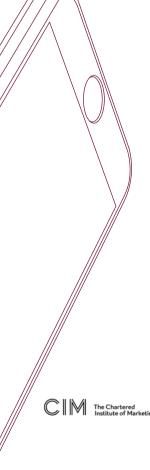
FdSc students do placement in their second year, and BSc (Hons) students in their third year.

Accreditation and extra qualifications

All undergraduate business courses are accredited by the Chartered Institute of Marketing (CIM), the world's leading professional marketing body. All BSc (Hons) business-related students are invited to register for the Chartered Management Institute Level 5 Certificate. Students will have opportunities to boost their CVs by taking qualifications in hygiene and food safety, Microsoft exams, and commercial sales. Extra costs may apply.

Topping up

Students with an appropriate foundation degree or HND may be able to top-up to one of our three BSc (Hons) business-related degrees. See UCAS for details or call the course manager.



"By getting a Harper degree you make yourself more competitive and can push for top jobs."

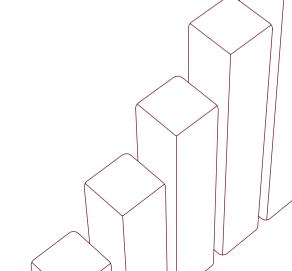
Samuel Green, KUHN Farm Machinery

Course	Level	▼ UCAS code	Duration (years)
Agri-business	BSc (Hons)	DN41	4
	FdSc	DN4C	3
Agri-food Marketing	BSc (Hons)	DN45	4
with Business	FdSc	D6N1	3
Business Management	BSc (Hons)	N2NM	4
with Marketing	FdSc	N2N5	3

Entry requirements¹

	▼ Tariff points	A level specifics	BTEC Level 3 Extended Diploma
BSc courses	88-104	From A2 only	DDD (minimum 12 units at D)
FdSc courses	72-88	From A2 only	DMM (minimum 12 units at M)

 1 Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.





"An understanding of the natural world and what's in it is a source of not only great curiosity but a great fulfilment." Sir David Attenborough

Study here and let your curiosity about the natural world lead you to dynamic career opportunities. Each of our four courses has its own focus on topics such as conservation biology, animal behaviour, wildlife conservation, ecology, renewable energy, water, forestry, food security, land use, and social and physical geography. You'll also develop highly transferable job skills such as teamwork, problem-solving, and managing people and projects.

We're here to help. If you're unsure which of our courses will suit you best, or want further details or advice, give us a call or drop us an email:

Course Manager

Simon Irvin +44 (0)1952 815308 sirvin@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

The countryside is your classroom at Harper Adams. You will put the theory you learn in lectures, tutorials and the laboratory into practice in the rural and urban habitats, landscapes and communities surrounding our campus.

There will be residential and day field trips to places such as local nature reserves, the Shropshire Hills Area of Outstanding Natural Beauty, and Snowdonia National Park, as well as a whole year spent on work placement.

You will learn about sustainable management practices, the impact of domestic and international policies, and how changes in the environment and land use affects wildlife, society and the economy. We'll help you understand the links between environmental sustainability, human health and well-being, resource management and economic development.

Teaching staff have industry, research and professional experience, and are supported by guest lecturers from the sector.

What you will study

Typical first year BSc modules, depending on your chosen course, include:

- Adaptive Biology
- Contemporary Countryside and Environmental Issues
- Environmental Monitoring
- Environmental Survey and Field Skills
- Introduction to Animal Welfare,
 Behaviour and Ethics
- Introduction to Ecology

- Introduction to Geomorphology
- Introduction to Sustainable
 Agriculture and the Environment
- Introduction to the Natural Environment
- Introduction to Wildlife Conservation in the UK
- Managing People in the Environment
- Practical Geography Skills (Field Trip)
- Rural Geography and Economics
- Skills for the Environmental Scientist
- The Organisation in its Environment

See modules for every course online: harper.ac.uk/cewg 19

Careers

Harper Adams is renowned for its outstanding employment rate. Employers know that our graduates have the skills, knowledge, real world experience and attitude they require. You could follow in the footsteps of former students working as:

- Ecologists
- Forest managers
- Countryside rangers
- Estate managers
- Rural surveyors
- Environmental, wildlife and planning consultants
- Recycling/waste and renewable energy managers

Dr Andy Wilcox Head of Crop & Environmental Sciences "All of the courses that we offer in this subject area are very applied and we're addressing real world problems and coming up with practical solutions."

Students enjoy at least two residential field trips

- Highly vocational courses develop skills for employment in the environmental sector.
- Our location offers great opportunities for learning outdoors.

Working with industry

We work with some of the most influential, trusted, best known organisations and businesses in the sector, including:
Defra, Environment Agency, Eurofins, Forestry Commission, Groundwork Trusts, local authorities, National Trust, Natural England, Operation Wallacea, RSPB, waste management specialists, wildlife parks and zoos, Wildlife Trusts, and environmental, wildlife and planning consultancies.

Many of our industry partners sponsor projects, scholarships, research and prizes, as well as providing great placements and graduate careers.

Accreditation

BSc (Hons) Countryside and Environmental Management and BSc (Hons) Wildlife Conservation and Environmental Management are accredited by the Chartered Institute of Ecology and Environmental Management (CIEEM). BSc (Hons) Geography and Environmental Management is accredited by the Royal Geographical Society with IBG.

Our specialist forestry modules are also recognised by the Institute of Chartered Foresters (ICF) enabling graduates successfully completing this route to claim ICF accreditation for BSc (Hons) Countryside and Environmental Management and BSc (Hons) Countryside Management.

Applied field work

All students take part in at least two residential field courses. In your first year you will head to the Slapton Ley Field Studies Council Centre in Devon where you will learn to conduct independent field research and do a group project. BSc (Hons) Geography and Environmental Management students enjoy an overseas course in Spain in the second year. Year 4 students on all courses design, execute and evaluate a group research project during a further residential course on the island of Anglesey.

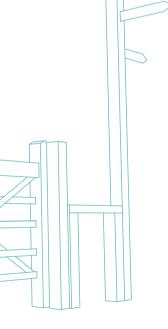
Your placement

Employers invest in our students by offering placements that will give you a year's high quality work experience, which can often lead to graduate job offers. We'll help you choose and thrive in a role that suits your interests and career plans. You'll have a dedicated placement manager, support officer, and tutor to visit you whilst on placement. And you'll stand out from the crowd upon graduation.

Some placements will be paid, others will offer benefits such as free accommodation and use of a vehicle. Those which are not salaried tend to be over three days a week, allowing you time to take on a paid part-time job too.

Topping up

Students with an appropriate foundation degree or HND may be able to top-up to a full degree. See UCAS for details or call the course manager.







"Choosing a degree at Harper Adams has enabled me to not only secure a position with an award winning environmental consultancy, I have also met some incredible people and made friends for life."

Georgie Stretch, Graduate Landscape Manager RSK Environment Ltd.

Course	Level	▼ UCAS code	Duration (years)
Countryside	BSc (Hons)	D4N9	4
Management	FdSc	D4NX	3
Countryside and Environmental Management	BSc (Hons)	D462	4
Geography and Environmental Management	BSc (Hons)	F8D4	4
Wildlife Conservation and Environmental Management	BSc (Hons)	CD14	4

Entry requirements¹

	▼ Tariff points	A level specifics	BTEC Level 3 Extended Diploma
BSc courses	88-104		DMM
FdSc courses	64-72		МММ
BSc Geography	96	A2 Geography	DMM

 $^{^1\}text{Based}$ on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



Engineers have the power to shape the future. Are you up for the challenge?

The world needs more engineers. Yet employers say many graduates lack practical experience, leadership skills and technical expertise. Harper Adams graduates are industry-ready from the first day on the job, with the skills, knowledge and experience engineering companies want.

We're here to help. Ask us which of our specialist degrees will suit your interests and ambitions.

Course Manager Greg Rowsell

+44 (0)1952 815435 growsell@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

With our project-focussed curriculum and placement year you can change your horizons and achieve more than you think is possible.

Make no mistake, these courses are challenging – you'll need real motivation and drive, and to be prepared to put in the hours. You'll need self-belief, confidence, and to be able to work both in teams and independently. But the rewards are worth it.

And you'll get a huge amount of help and guidance from staff who are professional engineers with expertise in vehicles (on and off-road), mechanical design and development, computer modelling and simulation, autonomous systems, materials, precision agriculture, mechatronics and robotics. This is an extremely supportive environment with staff readily available for one-to-one study help.

What you will study

Much of your learning will be through hands-on projects, both individual and in groups, often in collaboration with industry. After developing core engineering theory and problem solving skills in your first year you'll begin to specialise, completing a team project in Year Two.

After your third year on work placement you'll use the commercial awareness you've developed to complete a

commercial group project for an industrial client and an individual project.

The common first year allows all students to develop the fundamental knowledge and understanding to develop as an engineer (regardless of their prior qualifications and experience) whilst also providing opportunity to understand the engineering roles and industries that are available on graduation. As a result, students have the opportunity at the end of the first year to transfer to any of the different engineering degree programmes in order that they progress on the route that best matches their career aspiration.

See modules for every course online: harper.ac.uk/engineer19

Careers

Career opportunities are outstanding for Harper Adams graduates. Their skills are transferable to many different engineering sectors, and they can be found working around the world as:

- Design and development engineers
- Mechanical engineers
- Product specialists
- Consultants
- Technical sales specialists

Tom Lindley, MEng Agricultural Engineering "Without a placement year and the reference from it, I don't think I would've got my graduate job at Bentley, where I'm working specifically on the design and improvement of their V8 engine, used in the highest spec vehicles sold."



- Our courses and graduates are highly regarded and respected by industry.
- Real world projects and the placement year develop your applied skills.



All engineering students benefit from a year of high quality work in industry in the UK or overseas, where you can use and develop the skills learned in your first two years of study. You'll be helped to find the right role by a placement manager based at the university and will be supported throughout the process, including two visits from a tutor during the year.

You might work as a design, manufacturing, research or test engineer, in product support, technical sales and marketing, or new product introduction roles. Many students are offered their first job by their placement employer.

Working with industry

Some of the biggest names in industry value Harper Adams students and graduates, including: AGCO, Axis, BAE Systems, Bentley, Caterpillar, Claas, Classic Motor Cars, CNH Industrial, Cummins Engines, GKN Land Systems, HUSCO International, Jaguar Land Rover, JCB, JLG, John Deere, Kawasaki, Kubota, Kuhn, Niftylift, Perkins Engineering, Prodrive, STILH, Terex and Vauxhall.

Many of our industry partners sponsor projects, scholarships, research and prizes, as well as providing great placements and graduate careers.

Facilities

Specialist facilities include a £2.93m Agricultural Engineering Innovation Centre with electronics, mechatronics and research laboratories. The Engineering Design Centre is JCB-sponsored with recent investment by GKN Land Systems, and includes a 24-hour access computer suite with industry standard CAD software. There is an off-highway vehicle test track, one of the largest covered soil halls in Europe, and well equipped engineering laboratories. We have an extensive fleet of machines and vehicles and loan arrangements with engineering companies so you'll have access to some of the latest technological developments.



Exciting student projects: in just three years the Harper Adams Motorsport Team has gone from a reclaimed rally car to becoming the first university team to join the British Rally Championship.

Course	Level	▼ UCAS code	Duration (years)
Agricultural	MEng	H335	5
Engineering	BEng (Hons)	H330	4
Automotive	MEng	H337	5
Engineering (Off-Highway)	BEng (Hons)	H336	4
Mechanical	MEng	H301	5
Engineering	BEng (Hons)	H300	4
Product Support Engineering	BSc (Hons)	H3N2	4

Entry requirements¹

	▼ Tariff points	A level specifics	BTEC Level 3 Extended Diploma
MEng courses	136	Typical offer: AAB including A2 Maths	D*D*D* and A level Maths (A grade)
BEng courses	96-120	Typical offer: CCC-BBB. Preferred subjects: Maths, Physics, Biology,	D*DD (minimum 13 units at D)
BSc Product Support Engineering	_	Chemistry, Further Maths or Design Technology	DDD (minimum 12 units at D). Mathematics for Technicians preferred.

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



Whatever you've eaten today it's likely a Harper Adams graduate helped to bring that food to your plate.

What did you eat for breakfast this morning? Crunchy cereal? Hot buttered toast? Or the full English? Whatever took your fancy, a Harper Adams graduate probably played a role in it. The UK's food industry is huge and offers a vast range of interesting, challenging careers with lots of variety and responsibility – from creating exciting new breakfast cereals to ensuring your sausages are tasty and safe to eat.

► Want to work in the food industry, but unsure which course is right for you? We can help. Get in touch to explore your options.

Course enquiries:

Luis de Aguiar +44 (0)1952 815510 Ideaguiar@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

With a Harper Adams degree you could become one of the 3.2 million people working in food and drink in more than 100,000 locations across the UK – not to mention the global opportunities.

We work with some of the biggest names in the industry to help our students become the food technologists and scientists of the future.

What we eat comes to us through a food supply chain, from the farm to the food on your plate. Our students are able to see this chain in action right here on campus, from our commercial farm with its diverse crops and livestock, to processing in our specialist food centre – and finally enjoying delicious food in our dining hall!

You'll learn about the different stages of the chain from the farmers growing crops and rearing livestock, to those researching, creating and testing new products, to the processors who create what we eat, and the marketers, logistics and retail professionals who bring it to you, the consumer.

Not to mention the scientists, project managers, finance and purchasing specialists, legal, sales and human resource professionals. They all have a part to play – and as you learn more about the industry, through lectures, practicals, seminars, visits to food companies and your placement, you'll

get a better idea of where your own interests might take you.

Our friendly and helpful teaching staff know their stuff; they are experienced technologists and specialists in food production, manufacture and human nutrition. You'll also learn from visiting lecturers from industry and the public sector, and other Harper Adams staff specialising in agriculture, livestock and business.

What you will study

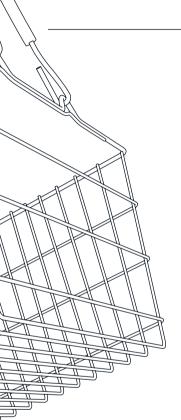
All first year food students study these modules:

- Academic and Professional Skills for the Food Industry
- Introduction to Food Science
- Introduction to Food Service and Retail
- Issues in Global Food Production
- Logistics and Distribution
- Marketing Principles
- Nature of Food
- Wellbeing Through the Lifecycle

See modules for every course online: harper.ac.uk/food19

Ashley Ramsey, G's Fresh Produce "Harper Adams was the best and most rewarding experience of my life."

- The food and drink manufacturing industry is the single largest manufacturing and employment sector in the UK with a turnover of £95.4bn.
- At Harper Adams you'll see the whole food supply chain in action, from research to retail to recycling.



Careers

With a shortage of suitably qualified food graduates in the UK the career opportunities are great. You'll find our multi-skilled graduate technologists, scientists and food engineers working in every part of the food chain, including:

- Finding out what consumers want
- Researching, growing and developing new things to eat
- Bringing products to the supermarket shelves
- Making sure food is delicious, safe and sustainable
- Designing packaging
- Managing teams
- Marketing professionals informing customers about new products
- Finance specialists looking after profit margins
- IT experts ensuring the technology works well
- Sales people
- HR specialists finding and training the best staff

Working with industry

We work with the whole food supply chain and some of the biggest names in the industry, including; Marks and Spencer, Waitrose, Dairy Crest, Florette and Assured British Meats. However, we also support smaller companies and exciting start-ups – some of them launched by our own entrepreneurial graduates!

Your placement

In your third year you'll further develop your skills with a minimum of 44 weeks work in industry in the UK or overseas.

Most placements are paid, and you'll develop valuable contacts and real-world experience. Our dedicated placement manger and support officer will help you find and settle into a role and a company that suits your interests and career plans.

The Regional Food Academy

You'll get hands-on experience in our specialist food centre on campus. You'll make cheese and beer, baked goods and preserved foods and learn about fresh produce, ready meals, confectionery and snack food, jams, and cured/smoked meats. You can develop and test new products in our food processing and sensory evaluation facilities.

Extra qualifications

For a small fee you'll have the opportunity to take industry-level qualifications in HACCP (hazard analysis and critical control points) and food hygiene.

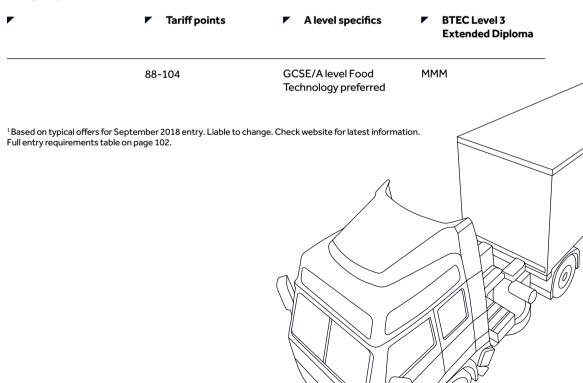
Topping up

If you have an appropriate foundation degree or HND you may be able to top-up to a full degree in food. See UCAS for details or call the course manager.

"I liked the Food courses strong links with the Harper farm it gave me a better view of the farm industry as a whole." Stephanie Swinyard, Dalehead Foods

Course	Level	▼ UCAS code	Duration (years)
Food Manufacture with Marketing	BSc (Hons)	D640	4
Food Technology and Product Development	BSc (Hons)	D633	4
Food Technology with Nutrition	BSc (Hons)	DB64	4

Entry requirements¹



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"If you want a career where you often have to think outside the box and come up with solutions to practical problems then look no further."

Andrew Black, senior lecturer and HAU alumnus

Would you enjoy the exciting challenges of managing land, estate and property? A career where no two days are the same? Understanding the issues facing our towns and countryside and helping the people who live and work there make the most of their land and property? Then you've come to the right place.

Want to know more about what rural chartered surveyors and land managers do? Not sure which of our three courses will suit you best? We can help. Get in touch to explore your options.

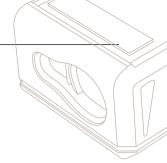
Course Manager

Susan Ragbourne +44 (0)1952 815342 sragbourne@harper-adams.ac.uk

Admissions

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Twitter: harperlandmgt Facebook: harperlandmgt Careers in surveying and land agency are exciting, challenging and creative. They suit those who enjoy talking and listening to other people, understanding their problems and coming up with solutions that fit their needs and budget.



If you'd love to work both independently and with a team, and would enjoy a busy and varied role both in the office and outdoors, we have a course for you.

The university has an outstanding reputation in this field. Staff are experts in land and property management: chartered surveyors, foresters and town planners. Many teach in industry, including RICS professional short courses. They also work closely with the university's experts in agriculture, business and countryside management.

You won't just learn in the classroom
– the university estate, including a
commercial farm, is a great way to see
land management in action, not to
mention visits to local farms, estates,
factories and interesting properties, and
receiving guest lecturers from industry.

What you will study

Surveyors and land/estate agents are, essentially, negotiators so we'll help you to develop this essential skill, as well as project management, communications, and understanding the issues affecting potential clients. You will learn about valuation, land and property law, auctioneering, construction and surveying, property marketing,

renewable energy, compulsory purchase and utilities.

Students on our rural courses (REALM and RPM) take the same modules for two years before specialising. RPM students focus on property management, development and historic buildings. REALM is geared towards careers as agricultural valuers, land agents, auctioneers and farm business advisors. Those studying Real Estate will follow their own curriculum, specialising in commercial, residential, leisure and industrial properties.

Typical first year modules, depending on your chosen course, include:

- Animal Production (Land Management)
- Business Data Analysis
- Construction
- Estate Management Law
- Introduction to Business for Rural Advisors
- Introduction to Economics
- Marketing Principles
- Professional Practice Skills
 Development
- Rural Geography and Economics
- Sustainable Crop Production
- The Organisation in its Environment
- Valuation and Estate Management

The world is building, farming, conserving, diversifying. We are buying, selling, negotiating: shaping our future.

- Most students complete the first year of the RICS Assessment of Professional Competence (APC) whilst on placement.
- The latest graduate employment figure for our land and property management students is 98.33% (HESA 2016).

See modules for every course online: harper.ac.uk/lpm19

RICS & CAAV

All of our property courses are accredited by the Royal Institution of Chartered Surveyors and students are encouraged to qualify as RICS Chartered Surveyors. Many graduates also go onto become Fellows of the Central Association of Agricultural Valuers.

Careers

Would you enjoy helping farmers to expand or diversify, managing estates such as Chatsworth, helping the National Trust protect our nation's heritage, shaping the future of sustainable energy, developing residential or leisure projects, or getting involved in huge developments such as HS2 or the Hinkley Point C nuclear power station? Most graduates become chartered surveyors (also known as land agents) who spend their days on projects such as these, helping landowners, farmers, landlords and tenants, local councils and organisations to manage, maintain and develop land, property and estates. Auctioneering is another popular career for graduates.

Our graduates work with:

- Large national land agency and property firms
- Small professional practices
- Estates
- Livestock auctioneers
- Utility companies
- Charities
- -Local authorities

Many of our industry partners sponsor projects, scholarships and prizes, as well as providing great placements and graduate careers.

Typical employers include:

- Balfours
- Bidwells
- Brown & Co
- Buccleuch Estates
- Carter Jonas
- Chatsworth
- Defence Estates
- Elveden
- Fisher German
- -H&HLand
- Knight Frank
- Ministry of Defence
- National Grid
- NFU
- -Rostons
- Savills
- Severn Partnership
- Strutt and Parker
- The National Trust
- United Utilities
- Yorkshire Water

Your placement

You'll spend the third year of your degree on placement, where you'll not only develop valuable experience and contacts, most have the chance to complete the first year of the RICS Assessment of Professional Competence (APC), so you'll be well on the way to that vital RICS chartered status. We'll support you to find and settle into a role that suits your interests and career plans.

()RICS

Accredited by the Royal Institution of Chartered Surveyors (RICS).

"The teaching is excellent, and the guidance from support staff is phenomenal - a great help with assignments and projects."

On placement at Ragley Hall, Matthew Southall experienced a mixture of commercial, residential and rural property management, and has since been offered a job as a graduate surveyor with GVA, the UK's leading and most diverse real estate advisory business.

You'll have a dedicated placement manager, support officer, and tutor to visit you whilst on placement. You might work with a large national company or for a smaller local firm of surveyors, a traditional estate such as Blenheim Palace, a local authority, utility company or The National Trust.

Course	Level	UCAS code	Duration (years)
Real Estate	BSc (Hons)	N232	4
Rural Enterprise and Land Management (REALM)	BSc (Hons)	DNK2	4
Rural Property Management (RPM)	BSc (Hons)	D440	4
Entry requirements ¹			
F	Tariff points	A level specifics	▼ BTEC Level 3 Extended Diploma
	104		DMM

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



A Harper Adams veterinary nursing degree will take you further and higher in a rewarding career.

Are you passionate about animals? Could you be confident, compassionate and patient with both animals and their owners? As a veterinary nurse your days will be busy, varied, challenging and rewarding: what could be better than sick animals going home happy and healthy because of your work?

We're here to help. If you need advice about our careers get in touch.

Course Manager

Susan Howarth +44 (0)1952 815069 showarth@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

This is a friendly, supportive department where you'll make good friends. You'll be busy with practical work and study – there won't be a lot of spare time but enough to enjoy the university's social life and beautiful countryside location.

cal work but d beautiful

You'll be taught by a large, supportive team with lots of expertise and extra qualifications; nurses, vets, laboratory and farm technicians, and animal scientists specialising in physiology, nutrition, behaviour, welfare and molecular biology.

Classes are small so your lecturers can get to know you and tailor the help they give you, and you'll have a senior tutor for advice and guidance.

We concentrate on companion animals and exotics but you'll have the opportunity to work with livestock on our commercial farm on campus, and horses.

What you will study

All full-time BSc (Hons) students study the same modules for the first two years. Your third year will be spent on placement. In your fourth year you'll continue to concentrate on nursing specific subjects or add specialist modules in rehabilitation therapy or companion animal behaviour. First year modules are:

- Companion Animal Management
- Fundamentals of Physiology
- Infection Control in the Veterinary Practice
- Introduction to Animal Health
- Principles of Veterinary Nursing

- Professional Skills of the Veterinary Nurse
- Veterinary Physiology
- Working as a Veterinary Professional

See modules for every course online: harper.ac.uk/vetnurse19

Accreditation

With an RCVS-accredited Harper Adams degree you'll be able to register as an RVN when you qualify, with scientific knowledge, a hands-on approach, lots of experience and good people skills: everything you need to begin your first job with confidence. Our course content is carefully planned so that students graduate with all of the spelling competencies and skills set out by the RCVS.

Facilities

In the Vet Nursing Unit there's a mock practice with consulting and prep rooms, x-ray facility and operating theatre. In the adjoining Veterinary Services Centre you'll find a hydrotherapy suite, consultation and teaching rooms with physiotherapy treatment and rehabilitation equipment. The Companion Animal House has rabbits, guinea pigs, chinchillas, degus, snakes, geckos, tortoises, and skinks in its

Abi Page, Stowe Veterinary Group "Harper Adams teaches you to be logical and analytical and that definitely helps from a nursing point of view as you develop different ways to approach a problem."



- You'll complete 1,800 hours in training practice during your four year degree and be eligible to register as a veterinary nurse upon graduation.
- You'll make up those 1,800 hours with a full year on placement plus a shorter 10-week period in practice at the end of year one.

collection of companion and exotic animals. We have a small number of horses stabled on campus and a large commercial farm, with dairy and beef herds, sheep, pigs and poultry.

Graduate as a RVN

By successfully completing a BSc (Hons) Veterinary Nursing degree you'll be eligible to register as a veterinary nurse. This makes you more employable.

Careers

Veterinary nurses play a vital and increasingly varied and challenging role in caring for animals. Most work in hospitals and veterinary practices, though many choose jobs in zoos, wildlife centres, welfare organisations, or in pharmaceuticals, education or research.

You'll spend your days:

- Assisting with surgery
- Nursing patients
- Advising animal owners
- Running clinics
- Assisting veterinary surgeons with diagnostic tests and medical treatments

Career opportunities are great. There are currently more than 5,000 veterinary practices across the UK and as a graduate you'll be a well-rounded RVN from day one.

Your placements

You'll need to complete a minimum of 1,800 hours working in a registered veterinary training practice. The third year of your degree will be spent on placement, a chance to really become part of a team and build on your skills – most of these longer placements are paid. You'll also complete a ten-week placement at the end of your first year, over the summer vacation.

It's hard work, but you'll have back-up. Our dedicated placement manager will help you to find a practice that you're happy in, and you'll have regular contact from a Harper Adams tutor, visits from the quality assurance team, and the support of an external mentor. Many students return to their placement employer upon graduating, with the benefit of knowing the team and the practice.

Topping-up for qualified nurses

We offer two part-time courses for qualified nurses that you can study alongside your job through blended learning: the RCVS Diploma in Advanced Veterinary Nursing, and the BSc (Hons) Veterinary Nursing with Advanced Standing.



Accredited by the Royal College of Veterinary Surgeons (RCVS).

"The course gave me the confidence to walk into my first job as an RVN knowing I have the skills and knowledge to succeed."

Beth Morris, The Veterinary Hospital Norfolk

Course	Level	UCAS code	Duration (years)	
RCVS Diploma in Advanced Veterinary Nursing	Dip HE	Apply directly to HAU	2-3 part-time	
Veterinary Nursing	BSc (Hons)	D314	4	
Veterinary Nursing with Companion Animal Behaviour	BSc (Hons)	D313	4	
Veterinary Nursing with Advanced Standing*	BSc (Hons)	Apply directly to HAU	4 part-time	
Veterinary Nursing with Small Animal Rehabilitation	BSc (Hons)	D310	4	

Entry requirements¹

	▼ Tariff points	A level specifics	BTEC Level 3 Extended Diploma
Full-time BSc courses	96-112	A2 Biology C or equivalent	D*DD (minimum 13 units at D). GCSE passes must be to Grade B/6
RCVS Diploma in Advanced Veterinary Nursing and Veterinary Nursing with Advanced Standing*	Applicants must have be minimum of one year.	een a practising Registered Ve	terinary Nurse (RVN) for a

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.

 $^{^{}st}$ Under review. Check website for latest course information.



Could you be helping race horses to perform or pets to recover? Get off to a good start at Harper.

Optimising performance in the elite athletes of the animal world, from dressage and race horses to sled dogs, is just one route a veterinary physiotherapist can take. Whether treating pets, working animals, zoo or farm animals, veterinary physiotherapists play a vital role in animal health and wellbeing.

✓ We're here to help. For further details, advice or a chat about veterinary physiotherapy careers, get in touch:

Course Manager

Carole Brizuela +44 (0)1952 815418 cbrizuela@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

If you are passionate about animals, and would enjoy working with their owners, trainers and vets, veterinary physiotherapy could be the career for you.

Animal physiotherapists treat almost anything that affects movement, from musculoskeletal or neurological injuries and conditions, to rehabilitation after surgery.

You'll learn techniques such as massage, stretching, exercise and electrotherapies to improve movement, restore normal muscle control and function, minimise the risk of injury, and enhance the performance of working and elite animals. You'll be taught by a team of veterinary physiotherapists, veterinary surgeons and animal specialists.

What you will study

During your first two years you will develop the applied skills to practice as a veterinary physiotherapist. During your final year you'll take part in clinics, do a research project and polish your skills in preparation for your future career. We encourage students to act as professionals from day one.

From a highly scientific base, you'll use an holistic approach to treat animals referred by vets; finding out about the animal's home environment and working with owners to create a treatment plan that they can comfortably implement and maintain at home.

First year modules are:

- Applied Anatomy and Physiology
- Companion Animal Management
- Fundamentals of Physiology
- Introduction to Animal Welfare,
 Behaviour and Ethics
- Introduction to Veterinary
 Physiotherapy
- Large Animal Management
- Principles of Animal Health
- Skills for the Veterinary Physiotherapy Professional

See the modules for each year of the course online: harper.ac.uk/physio19

Accreditation

The degree is recognised by the National Association of Physiotherapists (NAVP). This organisation of veterinary physiotherapists provide mentoring, assistance and further training. Members also teach and contribute to our BSc and MSc courses. Upon successful completion of the course graduates may apply for entry to the NAVP.

Facilities

The recently built Veterinary Services Centre gives veterinary physiotherapists a base to see real life clients during clinics. The centre has a hydrotherapy suite and consultation rooms with

Matt Scott, Animal Health Trust's first veterinary physiotherapist "I wouldn't be where I am now without this course and I would recommend the job of veterinary physiotherapist."

- You do NOT need to have studied human physiotherapy to train as a veterinary physiotherapist.
- Practitioners provide physical therapy to animals referred by a vet.

physiotherapy and rehabilitation equipment and systems for collecting biomechanical data. It adjoins a mock veterinary practice with consulting and prep rooms, x-ray facility and operating theatre. Outside is a two-surface equine trot-up track.

We have a companion animal house with rooms dedicated to rabbits, guinea pigs, exotics and other species, and a small stables. There are a number of dogs available to work on in the VSC.

The commercial farm on campus has dairy, beef, pig, sheep and poultry units.

External facilities

You'll also work off-site with equine centres and other organisations, which gives you invaluable experience of working in different environments with real clients, issues and people.

Careers

Career opportunities are excellent.

- Most veterinary physiotherapists are self-employed, running their own practices and visiting clients.
- They provide services to local veterinary surgeons and animal owners.
- At Harper you'll learn practical skills to help you set up a practice.
- Some small animal veterinary practices have a veterinary physiotherapist on staff.
- Most veterinary physiotherapists will work with horses and dogs (both companion and working animals such as race horses and greyhounds).

- You may also work with cats, rabbits, farm livestock or even zoo animals.
- You may prefer to work in a veterinary practice or referral hospital, treating animals after orthopaedic surgery.
- Some veterinary physiotherapists work closely with the equine sports industry within racing or other sporting disciplines.
- Some go on to specialise in neurological conditions.

Your placement

All veterinary physiotherapy students benefit from a year of high quality placement experience. Your placement manager will help you find a suitable role and you'll have visits from us throughout the year. Most students divide their time between two six-month placements. Placements tend not to be paid but usually being only three days a week, many students choose to take on a paid parttime job too, giving them an even wider range of experience.

Your clinical lecturers

Beth Roberts

RVC-trained veterinary nurse Beth has an MSc in Veterinary Physiotherapy from HAU and also specialises in small animal hydrotherapy. Beth has worked in many practices and hospitals, alongside some of the country's leading companion animal surgeons. She is the lead veterinary physiotherapist for canine physiotherapy clinics at Harper, with specialist interest in pain management and neurology.



Recognised by the National Association of Veterinary Physiotherapists. "I love the innovative and pioneering nature of this course and seeing improvements in animal health and wellbeing."

Katie Schofield, graduate

Course

Helen Morrell

I evel

Helen is a member of NAVP, and a practising veterinary physiotherapist with an MSc from Harper Adams. She is the only UK-based physiotherapist who is also qualified as a veterinary thermographer. Keen horsewoman Helen has judged dressage and showing to county level, started her own home bred youngsters and classically trained many horses up to national competition standard.

Carly Atkinson

NAVP member, Carly, has an MSc in Veterinary Physiotherapy, and has worked as both a veterinary nurse and veterinary physiotherapist.

Carly runs canine physiotherapy clinics at Harper alongside Beth Roberts. She is particularly interested in the holistic management of the arthritic dog, and the Tellington Touch, which was the subject of her Honours Research Project.

Duration (vears)

,	,	, 0010000	, January,
Veterinary Physiotherapy	BSc (Hons)	D31A	4
Entry requirements ¹			
•	▼ Tariff points	A level specifics	BTEC Level 3 Extended Diploma
	ABB	A2 Biology A/B plus another science, e.g. Chemistry, Physics, Geography, Psychology, Maths, P.E.	D*D*D* (minimum 13 units at D). Five GCSEs at Grade A/7 including Science, English Language and Maths at Grade B/6 or above.

UCAS code

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



"Harper Adams is offering the only undergraduate entomology degree in the UK."

Professor Simon Leather

Animals, from the largest mammals to the smallest insect, impact on human life in so many ways: as companions, food, inspiration, and working partners. They both enhance and threaten our existence. Understanding them and their communities gives an insight into human and animal life and how they can be sustained in the face of global challenges, from climate change to food security.

Ask which of our specialist Zoology degrees will help you achieve your ambitions.

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000



Animals are vital to human life. Zoologists are vital to our understanding of animals. Start your zoological journey here.

You can choose to study pure applied zoology or specialise in entomology or environmental management. As a zoologist you will help to maintain the biodiversity that is crucial to our survival.

Zoologists study animals' physiology, behaviour, and how they interact with other species and their environments, in order to preserve important habitats and manage wildlife's impacts on mankind.

They work to protect endangered species and wildlife from the dangers of habitat loss, disease, invasive species, and climate change, and to protect and learn more about human life in the process.

What you will study

You will study a wide range of modules and species, from farm livestock to companion animals and exotics, to invertebrates and insects, with a strong emphasis on field and laboratory work – both skills in demand by employers.

You will be taught by animal scientists, entomologists, conservationists, environmental specialists, veterinarians and many more highly experienced staff.

Learning extends beyond the classroom. There will be lots of applied work in our extensive laboratories, on our commercial farm on-campus, in our Companion Animal House, on field trips and during placement.

All first year zoology students study these eight modules before specialising in subsequent years:

- Academic Skills Development
- Adaptive Biology
- Environmental Survey and Field Skills
- Fundamentals of Physiology
- Introduction to Animal Welfare, Behaviour and Ethics
- Introduction to Ecology
- Introduction to the Natural Environment
- Principles of Animal Health

See modules for every zoology course online: harper.ac.uk/zoo19

Choose from three zoology degrees, specializing in entomology, environmental management or applied zoology.

- Study whole organisms, not just the molecular level.
- Be taught by leaders in the field.

Placement

All zoology students will benefit from a year of high quality work in the UK or overseas. Placement will provide the opportunity to work with other species such as zoo or marine animals.

You might work for Chester Zoo, for example, or the Durrell Wildlife Conservation Trust, for an animal charity, or pharmaceutical company. Alternatively you may find a placement such as The Natural History Museum, or with a genetics, crop protection or nutrition company.

Careers

With a zoology degree you could work as a:

- -Zoologist
- Ecologist
- Environmental consultant
- Research scientist
- Field trials officer
- Nature conservationist
- Environmental manager
- Pest control manager
- Agronomist

You may find yourself:

- Improving agricultural crops and livestock
- Conserving endangered species and habitats
- Developing and testing new drugs
- Working in disease and pest control
- Improving animal welfare and education
- Developing policies and regulations







"Harper Adams offered what others didn't: the opportunity to gain skills through practical work, laboratory experiments and lectures - the best decision I ever made."

Christina Faulder, Research Entomologist

Course	Level	▶ UCAS code	Duration (years)
Applied Zoology	BSc (Hons)	Z001	4
Zoology with Entomology	BSc (Hons)	Z002	4
Zoology with Environmental Management	BSc (Hons)	Z003	4

Entry requirements¹

 Tariff points	A level specifics	BTEC Level 3 Extended Diploma
104-120	From three A2. A biological science preferred but not mandatory.	D*DD (minimum 13 units at D)

 $^{^1}$ Based on typical offers for September 2018 entry. Liable to change. Check website for latest information. Full entry requirements table on page 102.



Looking for a second chance or a new approach to higher education? Start your journey here.

Choose from four different routes: Agriculture, Animal Management and Welfare, Business Management with Marketing or Countryside Management. Not sure if you will be eligible, or which route to study? We're here to help. Call or email us for a chat:

Course Manager

Dr Moira Harris +44 (0)1952 815078 mharris@harper-adams.ac.uk

Admissions

admissions@harper-adams.ac.uk +44 (0)1952 815000

Duration

FdSc degree: Four years BSc (Hons): Five years Do you want to study for a degree but don't have the required qualifications? Or want to return to study after a few years in the workplace, raising a family or travelling? Then the Extended Foundation Degree Programme (EFDP) could be for you.

In their preparatory year (Year 0) students choose one of four entry routes, before progressing onto a full foundation or bachelor's degree, with a placement year working in industry included. It's a great option for students without traditional qualifications.

If you achieve a 40% pass in your preparatory year (Year 0) you will progress onto a foundation degree (FdSc). To be accepted onto a full BSc (Hons) degree, requirements vary between subject areas but typically you will need to achieve a 60% pass (rising to 65% for certain subjects).

A pass of 60% - 65% and above also gives the opportunity for transfer to Engineering, Food, Land & Property Management and Veterinary Nursing degree courses. Some course transfers have further requirements, such as an interview.

Placement

You will spend one full year of your degree working in industry in a role that suits your interests and furthers your career ambitions. You could work in the UK or

overseas. Lots of placements are advertised through the university or you could find your own position – whichever, you'll have the help of a dedicated placement manager and support officer, and a tutor to visit and advise you whilst you are in the workplace.

Who can apply?

Applicants should have passed six GCSEs at grade C and above before applying, including English, maths and science subjects, and be 17½ or older when they begin the course. However, we judge all applicants individually and may take other qualifications, skills and life experiences into account.

To follow the agriculture route you will need relevant work experience. See pages 101 for further details.

Dr Moira Harris, Course Manager "Our degrees with a foundation year are an excellent way for students without traditional qualifications to access a wide range of Harper Adams FdSc and BSc courses."



"I had been away from education for a long time. The EFDP route gave me a good foundation of academic skills, knowledge and confidence to proceed to BSc (Hons) Agriculture."

Team Challenge

Kudzi Keating (opposite)

▼ Route	Agriculture	Animal Management and Welfare	BusinessManagementwithMarketing	Countryside Management		
UCAS code	D407	D393	N1N5	D497		
Core modules	Introduction to Animal Biology	Introduction to Enterprise Animal Biology Studies		Countryside Studies		
	Animal Management and Welfare	Animal Global Issues and Management and their Business Welfare Impact		Environmental Engineering Science		
	Environmental Engineering Science	Countryside Studies	Countryside Studies	Enterprise Studies		
	Plant Production Science	Food Studies	Food Studies	Plant Production Science		
Essential modules	Mathematics Applications and Statistics					
	Information and Communication Technology					
	Academic Skills					





Askham Bryan is proud to be one of the leading colleges for specialist land-based education in the country.

The college was established more than 65 years ago and has an excellent reputation for the high quality of its land-based higher education.

Its teaching staff have a wealth of experience in research and the land-based industries and strong links with employers.

Enquiries

+44 (0)1904 772211 enquiries@askham-bryan.ac.uk askham-bryan.ac.uk

Applications

Applications for full-time higher education courses at Askham Bryan are made through UCAS (institution code A70).

For more information on how to apply, including guidance on fees and funding, accommodation and transport, please visit www.askham-bryan.ac.uk.

The college's expert team of lecturers, commitment to advancing academic research and strong links with employers gives graduates the opportunity to excel in their field of study and beyond.

> A higher education qualification with Askham Bryan offers greater opportunities to progress in your chosen career and allows you to open up new and exciting experiences across various professions.

The college believes that as academic and industry standards are continually being raised, employers in the land-based sector are seeking graduates with resilience, demonstrating appropriate academic, scientific, vocational and entrepreneurial skills.

The campus

Located six miles outside of the bustling student city of York, Askham Bryan is easily accessible and close to major roads, rail networks and cycle routes. A historically rich city, York is a student city - with additional universities and colleges there is a vibrant mix of activities for students to enjoy, including cinemas, music venues, clubs, shopping, museums, cafes and restaurants.

Accommodation is available on-site, meaning students can benefit from the late night learning facilities and newly fitted modernised study spaces, as well as a range of sports and societies.

The campus is continuously growing following a multi-million pound investment to enhance learning facilities, including a new Agri-Tech Centre, glorious greenhouses, newly refurbished laboratories, and a state-of-the-art Wildlife and Conservation Park, which is open to the public during weekends and holidays.

Study

Askham Bryan is the perfect place for higher level land-based study, with a strong focus on applied research and invaluable partnerships with employers. From foundation degrees to masters, the college's dynamic higher education department aims to provide students with the ability to adapt and prosper with industry change and enhanced career prospects.

The college's graduates have both the desire and motivation to succeed, equipped with the appropriate academic, scientific and entrepreneurial skills, underpinned by the competencies and vocational skills demanded by their chosen industry.

Lewis, (BSc) Applied Horticulture 2017 "I had a fantastic time at Askham Bryan. My lecturer's expert knowledge equipped me with the knowledge required in my current work environment, including skills in business. I could always rely on them for support and the high standards expected ensured I graduated with first class honours."



▼ Agriculture	
Extended Foundation Degree Agriculture	D4U7
BSc/BSc (Hons) Agriculture	D4U9
Foundation Degree Agriculture	D4U8
BSc/BSc (Hons) Agricultural Management (top-up)	D4U4
Animal Management	
Extended Foundation Degree Animal Management	D304
BSc/BSc (Hons) Animal Management and Science	D302
Foundation Degree Animal Management	D301
Foundation Degree Canine and Feline Training and Behaviour	C865
Foundation Degree Management of Animal Collections with Conservation	D328
BSc/BSc (Hons) Animal Management (top up)	D300
BSc/BSc (Hons) Canine and Feline Behaviour and Welfare (top up)	C866
BSc/BSc (Hons) Animal Conservation (top up)	C3T4
BSc/BSc (Hons) Zoo Management (top up)	D303
▼ Arboriculture	
Foundation Degree Arboriculture with Urban Forestry	D5K6
▼ Countryside Management	
Extended Foundation Degree Countryside Management	DN44
Foundation Degree Countryside Management	DN43
BSc/BSc (Hons) Countryside Management (top up)	D449
▼ Equine	
Extended Foundation Degree Equine Science and Management	D4D3
BSc/BSc (Hons) Equine Science	D4D8
Foundation Degree Equine Business Management	D4D2
Foundation Degree Equine Science and Management	8T22
BSc/BSc (Hons) Equine Business Management (top up)	D4D4
BSc/BSc (Hons) Equine Science and Management (top up)	D4D6
▼ Horticulture	
Extended Foundation Degree Horticulture	D418
BSc/BSc (Hons) Horticulture with Landscape Garden Management	see ucas.com
Foundation Degree Horticulture	D417
Foundation Degree Sports Surface Management	K300
BSc/BSc (Hons) Applied Horticulture (top up)	D415

Essential information



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harper.ac.uk/unilife

Teaching & learning

We're a small, specialist university, and that means we can help you to achieve your academic potential, via smaller class sizes and personal support.



We're in the top ten in the country for having the highest percentage of qualified teaching staff' with industrial experience and both academic and teaching qualifications.

Modules

All of our degrees are made up of modules, each of which focuses on a specific subject. Core modules are compulsory, while others are optional, allowing you to tailor the course to your needs. Read about each module in detail on the course pages online.

Changing courses

If you decide the Harper Adams degree you've enrolled on isn't quite right for you, it may be possible to change to another of our courses.

Topping up

If you have a foundation degree or HND you may be able to convert it to a full degree with an extra one to two years of full-time study, depending on your existing qualification and whether you top-up to a BSc or a BSc honours degree. You'll find details of top-ups on the course pages online

Contact time

First year students have around 16 hours of formal teaching in different settings, including the classroom, out on the farm and field trips, and in the labs. You'll be taught by experienced staff, supported by guest lecturers from industry and technicians. You'll be expected to study independently for another 24 hours weekly, with staff support when you need it.

*harper.ac.uk/teachtop10

Degree levels

▼ FdSc	▼ BSc/BSc (Hons)	▼ MSci & MEng
Foundation Degree	Bachelor's Degree	Master's Degree (Master of Science or Engineering)
Three	Four	Five
16	23	28/29

Careers & placements

Placement

Every degree course at Harper Adams includes a placement year. Why? Because employers want graduates who have real-world experience as well as knowing their subject inside out.



During that year you'll be addressing challenges, learning new things, meeting people, making decisions, managing money and even staff, planning ahead, using your initiative and taking responsibility.

We see the difference in our students when they get back from placement – they're more confident, focussed, ready to take on the world! They know better which path they want to take, and what they need to do in their final year of studies to get there.

You'll choose where you want to work but we're here to guide and help. Every subject area has its own placement manager who works with the placement team to help you find and settle into a role, visiting you throughout the year to offer advice and support.

We work with hundreds of employers in the UK and overseas who advertise through our website, or you can find your own job. Many roles are paid; others will offer benefits such as accommodation, training or use of a car. Some placements are linked to scholarships. Many students perform so well on placement that they're offered a job after finishing their degree.

Doing it your way

Lots of our former students have set up their own successful businesses, either whilst studying or after they graduate. We have modules, workshops and advice on how you too can be your own boss.

Careers Service

Whether you already know which career you want or you're looking for further guidance, the Careers Service is here for you during your time at Harper Adams and after you graduate, with practical advice and support, including:

- Online vacancy service
- Careers and placement fairs
- Subject specific careers events with employers and alumni
- -One-to-one advice
- Workshops on creating CVs, applying for jobs, preparing for interviews and psychometric tests
- Job hunting skills
- Applying for further study

Global opportunities

The world is wide and so are the opportunities for well qualified graduates. If you have ambitions to work overseas or just want to travel and experience different cultures, you could:

- Work abroad on placement
- Study overseas with one of our exchange programmes
- Study internationally-focussed modules
- Learn French, German, Spanish,
 Mandarin or Arabic
- Volunteer on overseas projects

700

Our graduate employment rate is consistently outstanding, thanks to the placement year all students take, our relationships with more than 700 businesses, industry-geared course content, and hard-working graduates with the knowledge and attitude employers need.

Accommodation & catering

Living on campus in safe, comfortable and affordable accommodation you'll be close to all of the action, just a short stroll from the Students' Union, teaching rooms, farm and other facilities.



Most of our halls of residence are fully-catered with breakfast, lunch and dinner in the dining hall Monday to Friday. Self-catered accommodation includes en-suite bedrooms and shared kitchen diners.

Applying

Every effort is made to offer first-year students accommodation on campus, if you apply before 1st September. Once you've applied for a place here we'll send you more information about applying for accommodation.

Wardens

Each hall has live-in student wardens, usually in their final year, who are first aiders and on hand for support and advice. A rota system gives out-of-hours support during term time. Their work is supported by the Residences Officer who is available outside office hours. A staff member is also available on-call.

Weekly laundry service

All accommodation includes a weekly laundry service with clothes washed and pressed, with the exception of Courtside halls, Jerman, Leverhulme and Princess Royal, which have their own self-service laundry.

Accessible rooms

We have specially modified rooms for those with specific accessibility needs.

International students

A range of self-catered accommodation is available on campus for international students.

Rent

Your rent includes all utility bills. You'll find the latest accommodation prices here: harper.ac.uk/halls

Living off-campus

There are many houses and flats to rent in the local area with reasonable charges. We have an online property search, a housing forum and information to help you find the right place when you move off campus.

Eating and drinking

You'll eat well at Harper Adams. We have five restaurants/cafes offering tasty food, including meat from our own farm, along with local and Fairtrade food. Students in catered halls enjoy three meals a day Monday to Friday in the main dining hall. Non-catered students can also buy meals here.

Both the dining hall and Graze café, which serves hot and cold meals, drinks and snacks, are based in the Faccenda student centre.

Snacks and drinks are also available in the Kaldi Café in the library, and a Costa and Pam's Pantry on the south side of campus.

There are hot drink and snack vending machines around campus, and a shop, The Feed Store, for snacks and basics. You'll find restaurants, cafes and takeaways in nearby Newport.

Key facts

14 halls of residence on one campus and more than 800 students live on-site.

All halls include free parking, regular cleaning, wired/wireless internet and 24-hour security.

Halls of residence	Catered self- catered		suite V Weekly room laundry service	shared	▼ Bedro	ooms 🔻 Cost*
Boughey	Catered	No	Yes	Single	65	£5,250
Bradford	Catered	No	Yes	Both available	49	£5,250 (single)
						£4,136 (shared)
Courtside Jerman, Leverhulme, Princess Royal	Self-catered	Yes	No	Single	96	£4,252
Gloucester	Catered	Yes	Yes	Single	80	£6,000
Harris	Catered	Yes	Yes	Single	96	£6,000
Pitchside Darwin, Derby, Jebb, Silcock	Self-catered	Yes	Yes	Single	180	£4,552
University Houses Flatt Road, Newtown,	Catered	No	Yes	Both available	80	£4,831 (single) £3,745
Poultry Drive					75	(shared)
Ward	Catered	No	Yes	Single	35	£5,250

^{*}Based on 2017/18 rent for a 36-week period. Latest prices: harper.ac.uk/halls

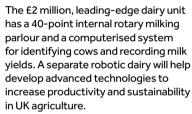
Facilities

University Farm

Not many universities have their own commercial farm on campus. Harper Adams students are able to learn 'in the field' on the 635 hectare University Farm.



Through a multimillion pound investment we've expanded our dairy and pig units, and created a food research centre and on-farm teaching hub. Livestock include 390 dairy cows and 280 followers, 230 sows, 70,000 hens, two sheep flocks and an intensive beef unit.



Soil types vary from a light sandy loam to heavy clay loam. A rotation aimed at maximising first wheat is practised, made possible by the range of break crops on the farm – grass, maize, lucerne, oilseeds and stewardship crops. Up to 24 hectares of grass and arable areas are devoted to staff and student research projects and trials.

Bamford Library

The library has 43,000 books in stock, a growing e-book collection, around 2,000 print and 44,000 electronic journals, databases and easily accessible reading lists for your course. There's space for individual and group study. We run sessions on using the library and improving your study skills, and support is available from a team of 13 librarians and assistants. The Kaldi Café provides snacks and drinks.

Faccenda student centre

Here you'll find the accommodation, learner support, counselling, careers and placement teams. It's home to the Students' Union, Student Services, Graze café and the Feed Store shop, as well as teaching rooms.

Science facilities

Our extensive laboratory complex is a fantastic resource for our science-based courses. After a £2.6m expansion we have 16 well-equipped laboratories supporting teaching and research in applied biology, anatomy and physiology, microbiology, nutrition, crop protection, soils and molecular biology. A team of well qualified technicians are happy to help with teaching, practicals and research.

Other science-related facilities include a large experimental glasshouse, animal production buildings, a metabolism room, aquaculture research facilities, an automatic weather station and laboratories for entomology and anaerobic fermentation.

Computers and online learning

There are many PCs in the library, where the IT help team are based, and in other buildings on campus, including 24-hour computer rooms. You can access the web, university email and learning resources through our wireless network in the library and other locations on campus. Wired and wireless access is available in halls of residence.

Audiovisual equipment and support is also available.





Key facts

- Single site campus in a beautiful rural location
- £20m invested in the campus over the last ten years
- All facilities in very close proximity
- Commercial farm onsite

Our virtual learning environment, called The Learning Hub, gives you access to online learning materials and activities, including the library catalogue and online journals.

Teaching rooms

In the Weston Building you'll find a 250-seat lecture theatre, 24-hour computer room, IT classrooms and seminar rooms. The Foulkes-Crowther building has a large lecture theatre, teaching and computer rooms and laboratories. Teaching also takes place in the Faccenda student centre, Ancellor Yard farm education centre, Main Building and B-Block.

120M

investment

in the campus over the last ten years



At Harper Adams we work hard and

Play hard

Department & sports facilities

Living on campus in safe, comfortable and affordable accommodation you'll be close to all of the action, just a short stroll from the Students' Union, teaching rooms, farm and other facilities.



Regional Food Academy

- Food processing and sensory evaluation rooms
- Facilities for brewing, making cheese, ice cream and baked goods
- Specialist equipment
- Teaching rooms and lecture theatre

Engineering

- £2.93m Agricultural Engineering Innovation Centre with electronics, mechatronics and research laboratories
- Engineering Design Centre, with 24-hour access to CAD software
- Off-highway vehicle test track
- Indoor soil hall
- Engineering workshops
- Fleet of machines and vehicles
- Agri-tech Innovation Hub

Animals, veterinary nursing and physiotherapy

- Veterinary Services Centre with hydrotherapy suites and consult rooms
- Veterinary nursing unit with mock veterinary practice
- Companion Animal House
- Trot-up track
- -Stables

Entomology

- Dedicated entomology laboratory
- EntoHub insect collection and resource room
- Jean Jackson glasshouse

Sports

Facilities include:

- Football, rugby, hockey and cricket pitches
- Floodlit match pitch and astro-turf all weather pitch
- Multi-use games areas for basketball, tennis and five-a-side
- Heated outdoor swimming pool
- Shooting ground
- Multi-gym
- Sports hall and fitness studio
- Squash courts
- Bowling green
- Fishing pool



Social life

From Welcome Week to fancy dress parties, film nights, music, sports, comedy, day trips, food, and four themed balls a year, the Students' Union works hard to make Harper life fun and friendly.



Most of the action takes place on campus, in the huge main bar, the cosy Welly Inn, the sports fields, the great outdoors, shared kitchen diners and communal spaces to gather in.

Off campus you'll find clubs, bars, cafes, shopping, cinema and theatre, recreation, YFCs, outdoor pursuits and places of interest. You'll get a calendar of events at the start of the year so you never have to miss a thing.

Sports and activities

If sport's your thing, you'll be happy at Harper, whether it's joining one of our many teams, supporting from the sidelines, or setting up your own club.

Sports on campus include rugby, football, shooting, hockey, netball basketball, pilates, yoga, dance and fencing. There are clubs for all of these sports as well as motorsport, off-roading, rowing, running, field sports, equestrian, biking, taekwondo, and many more.

In addition to on-campus facilities in the local area you can take part in golf, skiing and snowboarding, archery, ice skating, gymnastics, trampolining, swimming and fitness.

Non-sporting activities include clubs for Welsh, Irish, Scottish, international, Christian and LGBT students. There are also societies for debating, conservation, dance, gaming, music and outdoor pursuits. The SU has an active RAG society through which you can raise money and awareness for good causes whilst having fun.

Societies are run by students, and the SU can help you set up a club for your own hobby if there's enough interest.

Nearby places to explore

Newport

A five-minute car ride from the university, Newport is a classic English market town with independent shops, cafes, pubs, supermarkets, and the Central Square nightclub.

Telford

At Telford's town centre you'll find two multi-screen cinemas, an ice rink, shops, restaurants and a great park, all just a 20-minute drive from campus.

Stafford and Shrewsbury

Two county towns with shops, cinemas, theatres, clubs, bars, restaurants, wide open spaces and places of interest to visit.

Ironbridge

Officially one of the wonders of the world, nearby Ironbridge is the birthplace of the industrial revolution and a UNESCO World Heritage site, with river kayak cruises, independent shops and restaurants, great walks, and ten award-winning museums including the mock Victorian town, Blists Hill

The great outdoors

Get your walking boots on and enjoy the surrounding countryside, from the Shropshire Hills, to the Wrekin, nature reserves and parks, Shropshire's own lake district and the mountain biker's playground of Cannock Chase.



Support

Starting university is exciting but is also a big step: living away from home, making new friends, finding your feet.



It's natural to feel nervous but whatever challenges you're facing, we're here to support you. We want you to be happy and successful here so don't keep problems to yourself. Whatever you need, from support with disabilities or learning difficulties to homesickness or illness let us know and we'll do our best to help.

Welcome week

New students arriving in September are eased gently into university life over ten days. It's a time to enrol, settle in to your accommodation, make friends, meet staff, familiarise yourself with the campus, have fun and, with the support of the Students' Union, get your university experience off to the best start.

Student centre

In the Faccenda student centre you'll find a friendly team of staff to help with whatever questions you may have. The Student Adviser, in the Faccenda Advice Zone, will be able to offer first line advice or refer you to one of our specialist support teams, which include:

Learner and disability support

The Learner Support Service is available to all students who feel they need support, whatever your learning needs or disability, to ensure you get the most from university life. We provide, for instance, help in applying for the Disabled Students' Allowance, in finding the right accommodation on or off campus, and dyslexia screening, assessments, study resources and advice.

Emotional and mental health

Our wellbeing team can help if you are feeling anxious or depressed, or just need a friendly ear. The student wellbeing officer is your first port of call if you are experiencing personal or emotional problems that are affecting your student experience. You may be referred to our BACP registered counsellor or the student mental health and wellbeing advisor (RGN).

Accommodation

The Student Services team can give you advice on which accommodation will best suit your needs, getting used to living independently, and settling into your home-away-from-home.

Financial support

We can offer advice on managing your money and support if you are struggling financially and need help to apply for the Access to Learning Fund (ALF), Disabled Students' Allowance (DSA) or other funding.

Healthcare

A GP offers appointments, Monday to Friday, in our campus clinic. Out of hours care can be sourced through the ShropDoc advisory service or NHS 111.

Chaplaincy

Our team of chaplains is here to listen to students and staff of all faiths or none, whatever worries or issues you may have. Students and staff can reflect or pray in the multi-faith quiet room and there are places of worship for most faiths and religions in the local area.



Student wardens

As well as out of hours Residence Officers, each hall has one or two live-in wardens. These final year students are trained in first aid, fire safety, drugs awareness and student support. There's a rota system so help will be available around the clock.

Study skills

Develop skills such as note taking, report writing, referencing, revision and exam techniques in a drop-in lunchtime workshop, online through the library website, or make an appointment with the Academic Guidance team.

Our maths tutor can help all students with basic numeracy, and more targeted support to engineering students who'll need more advanced maths skills.

Personal support

Your course tutor, who will look after everyone on your course, can help you with any personal problems or if you are struggling with your studies.

English language

We provide free English language classes, study advice and individual support for students whose first language isn't English.

International students

Overseas students have an induction before the start of the academic year to introduce them to life in the UK and at the university. We can help you arrange visas, get study or personal support, find part-time work or further study opportunities, careers advice and any other issues you might have. The Planet Harper international society organises days out and social events on campus.

Finance & funding

A university degree is a good investment in your future. Here are the facts about fees, funding and scholarships.



Tuition fees

2018/19 fees for a full-time degree were:

- UK/EU students: £9,250 per year (placement year £1,850)
- International students: £10,400 per year (placement year: £3,150)

Tuition fees for 2019/20 were not agreed at the time of print, but will be published on our website once available.

UK/EU students

- Loans to cover your full tuition fees are available to UK/EU students doing their first degree.
- You will not have to pay anything upfront. Tuition fee loans are paid directly to the university through Student Finance.
- You won't pay back your loan until you've finished your degree and you are earning over £25,000 a year (this applies to English students – different rates may apply elsewhere). This figure is adjusted annually in line with average earnings.
- You'll pay back 9p for every pound you earn over £25,000. So if you earn £29,000 a year you'll pay back 9% of £4,000, which works out at £30 a month or £6.92 a week.
- The threshold for students in Scotland and Northern Ireland is £18,330 but this tends to change yearly.

Additional costs

For some courses you will need to buy extras such as a lab coat, wellington boots or payment for field trips. Check the course you're interested in:

harper.ac.uk/kit

International Students

International students are not eligible for any government funding and are expected to self-finance their studies. However, you may be able to apply for our Development Trust and industry scholarships during the course of your studies. For more advice on fee status and studying in the UK visit: www.ukcisa.org.uk

Living costs

You'll need to budget for your living costs, such as accommodation, meals, additional course costs such as books and equipment, printing and photocopying, clothes, insurance, transport, your mobile contract and socialising.

You can apply for a maintenance loan to help with living costs while at university.

Online help

Budgeting

– English students:

studentcalculator.org

- Welsh students:

studentfinancewales.co.uk/calculator

-Northern Irish students:

tinyurl.com/NIcalculator

International students: tinyurl.com/intladvice

- Explore scholarship opportunities: harper.ac.uk/scholar
- You'll find 2019/20 tuition fees online when they become available. harper.ac.uk/money



The Complete University's guide to funding your living costs: tinyurl.com/livcosts

Student Finance

- England: gov.uk/student-finance
- EIRE: studentfinance.ie
- Northern Ireland:
- studentfinanceni.co.uk
 Scotland: saas.gov.uk
- Wales: studentfinancewales.co.uk

Money advice

- Money Advice Service: moneyadviceservice.org.uk
- Money Saving Expert: tinyurl.com/mse-info

Scholarships

Our strong links with business have produced some really exciting scholarships, provided by companies such as CLAAS, Velcourt and Kelly Bronze Beef. Winning a scholarship can mean help with your tuition fees, a bursary, placement with the awarding company, or other support, such as mentoring. £413,000 is the latest yearly amount awarded in student scholarships by our Development Trust.

On our website we also suggest external scholarships and bursaries that you may be able to apply for. harper.ac.uk/scholar

Maintenance loans/grants

Maintenance loans are available through Student Finance to help you with the cost of living while at university. How much you receive is based on your household income. Like your tuition fee loan, you'll only pay it back once you have finished your degree and are earning more than £25,00 a year (this applies to English students - different rates may apply elsewhere).

International students

Working during your studies

Many students choose to work part-time whilst studying, both to earn extra cash and to get valuable work experience. International students with a valid Tier 4 (General) student visa are permitted to work up to 20 hours per week during term time, and full-time during vacations.

External funding

Many organisations may be able to offer funding or advice, including:

- British Council: educationuk.org
- Scholarship Search:
- scholarship-search.org.uk
- UK Council for International Student Affairs: ukcisa.org.uk

All information was correct at the time of print, February 2018. For the latest details visit: harper.ac.uk/money





Campus tours

Explore the campus on a relaxed afternoon tour where you can meet students and staff and find out more about our courses. Held throughout the year.

Harper Adams Experience (HAE)

This two-day residential for 16 to 17-year-olds is a great way to get a taste of Harper life. You'll do what our students do: lectures, activities and sleeping overnight in halls of residence after partying with friends. Sunday 8 - Monday 9 July

UCAS higher education exhibitions

Come and see us at a UCAS event near you. You can talk to us about your future and how Harper Adams could help you achieve your ambitions. We can advise you on entry requirements, work experience, finance, accommodation, and much more. Find your nearest event: ucas.com/news-events/events

Shows and events

You'll find us at lots of agricultural, county and technical shows in 2018, including the Balmoral Show, Royal Welsh, Royal Cornwall, and Great Yorkshire shows – pop over to the stand for a chat.

School visits

Would your school or college like to hear more about Harper Adams' exciting range of courses, careers and what university life is like?

Get in touch to arrange a visit: schoolsliaison@harper-adams.ac.uk +44 (0)1952 815044

Visit the campus 2018

Undergraduate open days Saturday 16 June Saturday 13 October Sunday 18 November

Harper Adams Experience (HAE) 8-9 July

Field to Fork Festival Saturday 28 April

Campus tour afternoons Thursday 8 February Friday 9 March Tuesday 18 September Monday 17 December

Alumni open day Saturday 16 June



Applying

Entry requirements for all courses can be found online at ucas.com and also on the individual course pages.

All undergraduate students for full-time courses, both UKbased and overseas/ international, apply online through the Universities and Colleges Admissions Service (UCAS)

You'll need to know: Institution code: H12 Degree codes

(available on our course pages online, or the subject pages in this prospectus) UK: 0371 4680 468 Outside UK:

+44 330 3330 230

All information was correct at the time of print, February 2018. For the latest details visit: harper.ac.uk/applying

Application deadlines

For courses beginning in 2019 you can apply from early September 2018 until 30th June 2019 or later if spaces are available through Clearing. However, to be in with the best chance, we recommend you apply as soon as possible, preferably by 15th January 2019. This is the equal consideration deadline which UCAS determines.

Part-time degrees

Applicants for our part-time veterinary nursing degree and diploma should apply directly to the university. Please contact the Undergraduate Admissions team for further information +44 (0) 1952 815000 Admissions@harper-adams.ac.uk

Conditional and unconditional offers

If you receive an offer it will be either conditional or unconditional. An unconditional offer means you have met all of our requirements and will have a place at Harper Adams University should you choose to accept the offer. A conditional offer means you still need to meet some of our requirements, which could be exam results, amount or type of work experience, English language requirements or other conditions such as deposits for international students. Your offer will clearly state what is required and any deadlines which the conditions have to be met by.

Work experience

If you want to study agriculture, veterinary nursing or veterinary physiotherapy you will need a certain amount of practical work experience. Find out how much you need on page 101.

Interviews during the 2018 cycle

All potentially suitable applicants for Agriculture, Engineering, Extended Foundation Degree, Veterinary Nursing and Veterinary Physiotherapy courses will be invited to the campus for an applicant afternoon, before an offer is made. During the session, applicants will have an interview and will have the opportunity to discuss their application with a member of the course team. These are relaxed and are as much for you to ask us questions and visit the campus. You are welcome to bring along guests too.

All other course areas make offers based on the application form. Applicants for these courses will have the opportunity to visit the campus on one of our offer holder days, which give applicants the opportunity to get more of an insight into the course.

International students

Applying for a visa

If you are a non-EU student planning to study a full-time degree at Harper Adams you will need a Tier 4 student visa. We can help to guide you through this process. At the time of applying you must prove to UK Visas and Immigration (UKVI) that you have enough money to cover both your fees and living costs as well as meeting other UKVI criteria, such as a valid TB clearance for some students. The rules about student visas are liable to change. Please check the UKVI website for the latest information.

gov.uk/tier-4-general-visa harper.ac.uk/int-visa

Attending a pre-sessional course **See harper.ac.uk/english**



Entry requirements

We're here to help. If you're not sure give Admissions a call: 01952 815000

Qualifications and work experience

We accept A-Levels, BTEC and City & Guilds diplomas, Scottish Highers and Advanced Highers, Irish Leaving Certificate, the Welsh Baccalaureate, International Baccalaureate, and many others. Please see the entry requirements pages for specific details for the most common qualifications our applicants have. We regularly review new qualifications to determine whether they are suitable for entry, so if you have a qualification which is not included, please contact the Admissions team to discuss.

Mature students

If you consider yourself a mature applicant and do not have any qualifications which meet our entry requirements, please feel free to call us for a chat. If you have extensive relevant work experience in a job role related to your course area of interest we may be able to consider an application from you if we believe you will cope with the academic demands of a degree course.

Minimum age

Applicants for September 2019 entry must turn 18 no later than 1st May 2020.

Taking an English language test

If you need a Tier 4 (General) student visa for undergraduate or postgraduate study, you must show evidence that your English Language skills are at B2 level on the CEFR (Common European Framework of Reference). This can be demonstrated by obtaining one of a range of accepted tests of language competency, including an Academic IELTS score of band 6.0 overall or above (with no less than 5.5 in any component)



- All information was correct at the time of print, February 2018. For the latest details visit: harper.ac.uk/applying
- Check out the Access to Agriculture route if you're not from a farming background. harper.ac.uk/a-2-a



or an equivalent score in PTE, CAE/CPE or TOEFL IBT. Full details of the minimum scores required and other accepted evidence of English competence are available on the university website. It may be possible to consider other evidence which constitutes an equivalent level of language competency on an individual basis and we welcome you to contact us about this. Applicants whose English is below B2 level and who are aiming to follow a pre-sessional course prior to postgraduate study must take a Secure English Language Test (SELT). This test must be taken in an approved test centre. If you are unsure whether your English level is at B2, we strongly advise you to take a SELT (most commonly IELTS for UKVI - Academic).

harper.ac.uk/english

Work experience

Agriculture

To study agriculture you'll need at least ten weeks practical work experience on a commercial farm by 1st August in the year in which you start your degree. This can include work on a home farm, but applicants are encouraged to get as much variety as possible.

If you're struggling to achieve this we may be able to help. Our new Access to Agriculture route gives students from non-farming backgrounds the chance to build their experience during the first year of their degree. Open to applicants for the BSc (Hons) Agriculture routes, it will be discussed with applicants during their interview.

harper.ac.uk/a-2-a

Animal sciences

Pre-entry work experience is desirable, but not essential. However, having more experience before you arrive will help you get involved with on-campus animal management opportunities. There are also opportunities for students to gain more experience during the first year of their course, if required, taking advantage of our facilities.

Land and Property Management

You are encouraged to gain a minimum of one week's relevant work experience before you begin your degree.

Veterinary Nursing and Veterinary Physiotherapy

You will need a minimum of four weeks relevant experience, two weeks of which must be gained before applicants are eligible for an interview (and must have been carried out no more than two years previously).

harper.ac.uk/wkexp

No other courses have specific work experience requirements, but bear in mind that work experience always gives a competitive edge when academic requirements have already been met or exceeded.

harper.ac.uk/wkexp

Entry requirements

	Tariff points	A level specifics	BTEC Level 3 Extended Diploma	City and Guilds Level 3 Extended Diploma	Scottish Highers	Irish Leaving Certificate – Higher Level		
Agriculture				,	harperac.uk/agric	:19		
BSc courses	104-120	Minimum three A2 passes. Biology preferred.	D*DD (minimum 13 units at D)	D (minimum 15 units at D)	ABBB	Three at H2 & one at H3		
FdSc courses	72-88	Minimum two A2 passes. Biology preferred.	DMM (minimum 13 units at M)	M (minimum 15 units at M)	cccc	One at H2 & two at H3		
Animal Sciences					harper.ac.uk/anir	nal19		
MSci courses	104-120 from three A2	While A level Biology is not required, we do	D*DD (minimum 13 units at D)	D (minimum 13 units at D)	AABB	Two at H2 & two at H3		
BSc Animal Science, and Bioveterinary	104-120 from three A2	look for some biological knowledge	13 units at D)	В		113		
BSc Animal Health and Welfare, and Animal Behaviour and Welfare	88-104	in your qualifications or experience.			BBBB	Four at H3		
FdSc courses	72-80		MMM (minimum 13 units at M)	M (minimum 13 units at M)	cccc	Four at H4		
Applied Biology					harper.ac.uk/bio1	19		
BSc courses	104-120 from three A2	A biological science preferred but not mandatory.	D*DD (minimum 13 units at D)	D (minimum 13 units at D)	AABB A biological science preferred but not mandatory.	Two at H2 & two at H3. A biological science preferred but not mandatory.		
Business					harper.ac.uk/bus	iness19		
BSc courses	88-104	From A2 only	DDD (minimum 12 units at D)	D (minimum 12 units at D)	ВВВС	Three at H3 and one at H4		
FdSc courses	72-88		DMM (minimum 12 units at M)	M (minimum 15 units at M)	CCC/BB	One at H3 and two at H4		
Countryside, Envi	Countryside, Environment, Wildlife and Geography harper.ac.uk/cewg19							
BSc courses	88-104		DMM	D	вввс	Three at H3 & one at H4		
FdSc courses	64-72		MMM	М	CCC/BB	One at H3 & two at H4		
BSc Geography	96	A2 Geography	DMM	D	BBBC including Geography	Four at H3 including Geography		

	Tariff points	A level specifics	BTEC Level 3 Extended Diploma	City and Guilds Level 3 Extended Diploma	Scottish Highers	Irish Leaving Certificate – Higher Level
Engineering					harper.ac.uk/eng	ineer19
MEng courses	136	Typical offer: AAB including A2 Maths	D*D*D* and A level Maths (A grade)	Not applicable	AAAB including Maths	One at H1 & three at H2 including Maths
BEng courses	96-120	Typical offer: CCC-BBB. Preferred subjects: Maths,	D*DD (minimum 13 units at D)	D (minimum 13 units at D)	ABBB	One at H2 and three at H3
BSc Product Support Engineering		Physics, Biology, Chemistry, Further Maths or Design Technology	DDD (minimum 12 units at D). Mathematics for Technicians preferred.			Three at H3 & one at H4
Food Science, T	echnology and In	novation			harper.ac.uk/food	119
BSc courses	88-104	GCSE/A level Food Technology preferred	МММ	M (minimum 13 units at M)	ВВВС	Three at H3 & one at H4
Land and Prope	rty Management				harper.ac.uk/lpm	19
BSc courses	104		DMM	D	BBBB	Four at H3
Veterinary Nurs	sing				harper.ac.uk/vetr	nurse19
BSc courses	96-112	A2 Biology C or equivalent	D*DD (minimum 13 units at D). GCSE passes must be to Grade B/6	D* (minimum 13 units at D)	ABBB including Biology	Three at H2 & one at H3 including Biology
Veterinary Phys	iotherapy				harper.ac.uk/phy	sio19
BSc courses	ABB	A2 Biology A/B plus another science, e.g. Chemistry, Physics, Geography, Psychology, Maths, P.E.	D*D*D*(minimum 13 units at D). Five GCSEs at Grade A/7 including Science, English Language and Maths at Grade B/6 or above.	D* (minimum 13 units at D). Five GCSEs at Grade A/7 including Science, English Language and Maths at Grade B/6 or above.	AAAB including Biology plus another science	One at H1 and three at H2 including Biology & another science
Zoology					harper.ac.uk/zoo	19
BSc courses	104-120	From three A2.A biological science preferred but not mandatory.	D*DD (minimum 13 units at D)	D (minimum 13 units at D)	AABB including Biology	Two at H2 & two at H3 including Biology
Extended Found	dation Degree Pro	gramme			harper.ac.uk/efdp	o19

A minimum of six GCSEs at grade C/4 or above, including Maths, English Language and Science. However, each applicant is judged on their merits.

Essential information

Entry requirements are based on typical offers for September 2018 entry. Liable to change. Check website for latest information.

All BTEC Level 3 Extended Diplomas must be studied in a relevant subject area to be guaranteed consideration.

- The GCSE requirement for all courses is a minimum of five at Grade C or above including Maths, English and Science (with variations for Diploma for Veterinary Nursing/Physiotherapy).
- A level General Studies and Critical Thinking are not accepted for most courses.

- If you are studying a Level 3 Diploma (including the 12 unit and Subsidiary BTEC Diplomas) you'll usually need to be studying two A levels in addition for entry onto BSC courses. If you are studying a Diploma we advise you to contact Admissions for advice.
- The Welsh Baccalaureate will be considered to enhance an application, with only a limited proportion of the total tariff points achieved from it being taken into account. We do not consider it as the equivalent to an A level.
- The above is not an exhaustive list and includes the most common qualifications that applicants to Harper Adams present with. We accept a wide range of other qualifications so please call the Admissions Team for further advice.

A Level:

AS Levels

BTEC Extended Diploma

▶ Grade	▼ Tariff points	▼ Grade	▼ Tariff points	▼ Grade	▼ Tariff points
A*	56	A	20	D*D*D*	168
A	48	В	16	D*D*D	160
В	40	С	12	D*DD	152
С	32	D	10	DDD	144
D	24	E	6	DDM	128
E	16			DMM	112
				ммм	96
				ММР	80
				MPP	62
				PPP	48



Harper Adams University, Newport, Shropshire, TF10 8NB.

harper.ac.uk Admissions: 01952 815000