

# THE WORLD NEEDS



# NEW TALENT

Harper Adams  
University



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

**“ ”**

What we do to the land,  
we do to ourselves.

**Wendell Berry**

# Since it was founded in 1901, Harper has been designed to meet this challenge.

Set on a 550 hectare farm, we are the leading specialist university tackling the future development of our planet's food production, processing, animal sciences, engineering, land management and sustainable business.

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& Innovation 48**

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Harper Adams  
University  
Dr Tom Pope  
Research Entomologist



# Part Laboratory

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

**£20M** invested in campus  
in the last decade

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**1** Charlotte Reynolds started her company, Blooming Food, and created Lupin Bites from her dissertation research.

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**2** Facilities in The Regional Food Academy.

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**3** Princess Margaret Laboratory Complex.

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**4** EntoHub insect collection and resource room.



**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.

The **farm** includes dairy, beef, sheep, pig, poultry and arable enterprises.

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1 At work on the farm.

---

2 Beef enterprise.

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3 Ghazwan Mahmood, from Iraq, is researching irrigation methods, sponsored by his country's government.

---

4 Undergraduate classes in the field.

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5 Pig production and science specialist, Alan Stewart.





# Part Invention Hub



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

**1st** University to join the  
British Rally Championship.  
Thanks to M-Sport our  
student Motorsport Team  
has built a Ford R2 car from  
scratch. [m-sport.co.uk](http://m-sport.co.uk)

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**1** Engineering students are working with Lotus to modify a sports car for off-highway use.

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**2** Undergraduate project: steering systems on the Tomcar.

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**3** Jonathan Gill, specialist in Unmanned Aerial Systems (UAS).

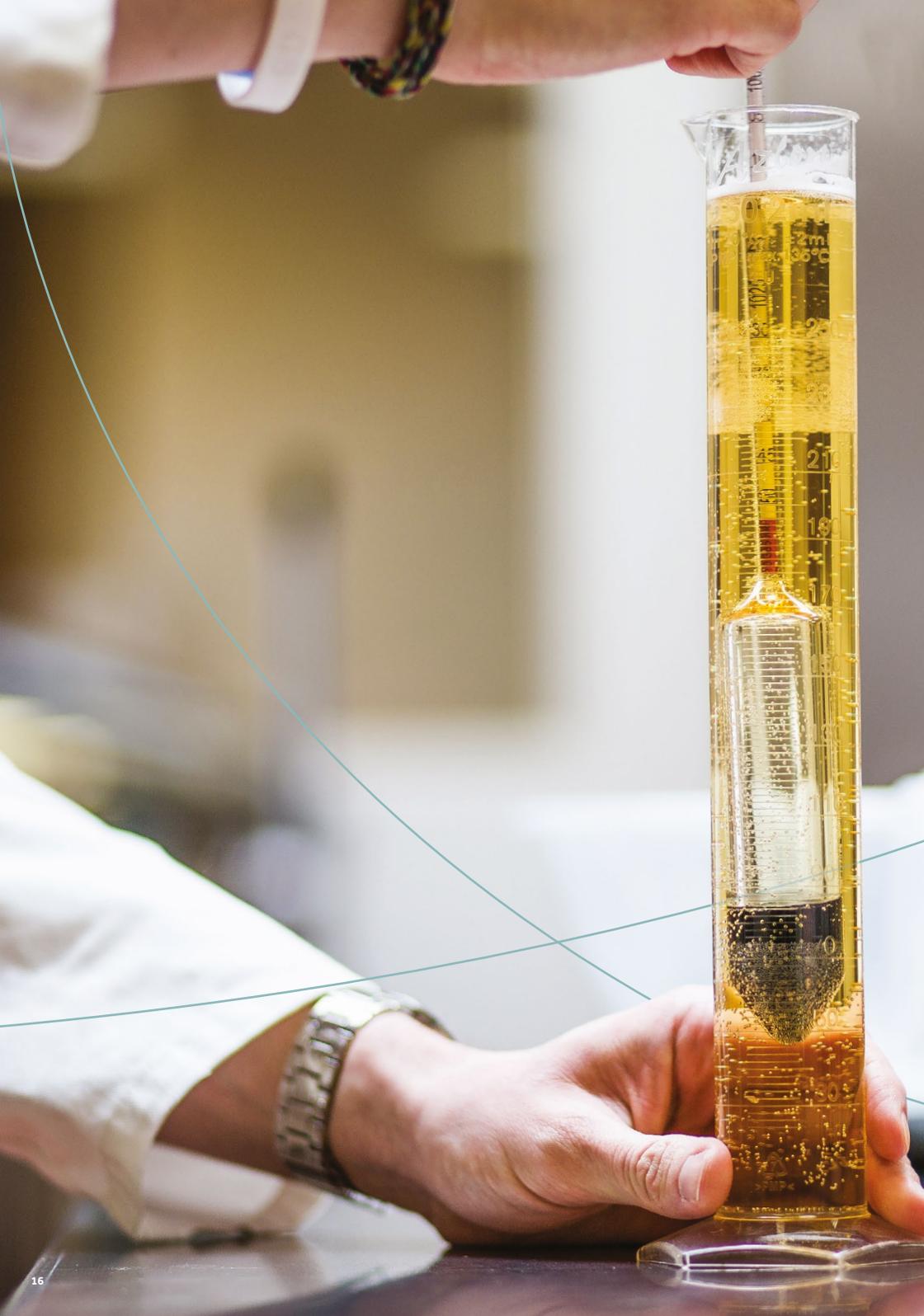
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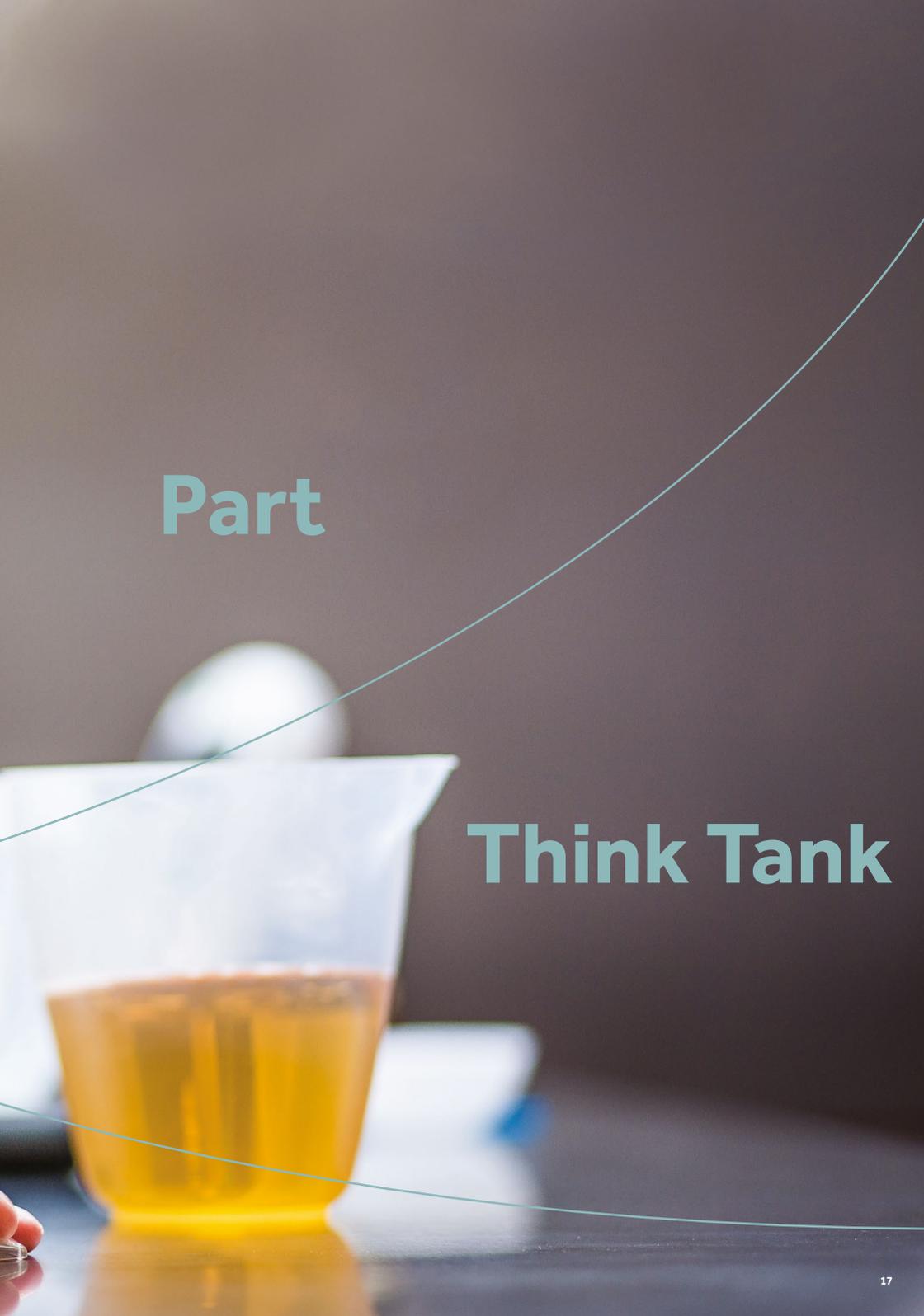
**4** Ford R2 rally car developed with M-Sport.

---

**5** Dr Ianto Guy, Head of Automotive Engineering (Off Highway) is leading casualty extrication research.







**Part**

**Think Tank**

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

100% of our research is of international quality. Fifty percent is world leading or internationally excellent

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1 The Jean Jackson Glasshouse provides modern, future-proof facilities for commercial and academic crop growing trials.

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2 Waterproofing wheat to feed drought-stricken countries.

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3 Farm scale anaerobic digestion

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4 Do dairy cows prefer to be inside or outside? Our research will help farmers manage cows' welfare.

---

5 Combatting campylobacter food poisoning.





# Part Industry



1

# With a placement as part of every course, and a £4M Innovation Centre built by Dairy Crest on campus, you won't just learn about industry. You'll be a part of it.

Links with more than  
**700** businesses

**1** Dairy Crest is the first food business to locate its R&D base on a university campus, where it also offers student placements. The £4 million Dairy Crest Food Innovation Centre is home to the company's research and development and technical staff, offering student placements and research opportunities.

**2** Poultry specialist Faccenda has supported the university by sponsoring the Faccenda student centre (pictured), employing graduates and placement students, and providing scholarships and learning opportunities.

**3** Undergraduate and postgraduate students carrying out Alltech-sponsored research into dairy cow nutrition.

**4** The Crops and Environment Research Centre delivers research projects for industry clients whilst also benefiting teaching and learning.

**5** The National Trust is a longstanding employer of placement students and graduates such as lead ranger, Colin Gorner.



2 3



4 5



**99.4%** graduate employment,  
second highest in the country <sup>1</sup>

**800** students living on campus

**2nd** best in the UK for  
accommodation, clubs and  
societies and Students' Union <sup>2</sup>

**Top 10** student satisfaction  
**Top 10** qualified teaching staff

**£413,000** awarded in student  
scholarships by the university's  
Development Trust in 2016/17

**2016** University of the Year <sup>3</sup>

**2017** Modern University of the Year <sup>4</sup>



<sup>1</sup> HESA 2016

<sup>2</sup> WhatUni 2016

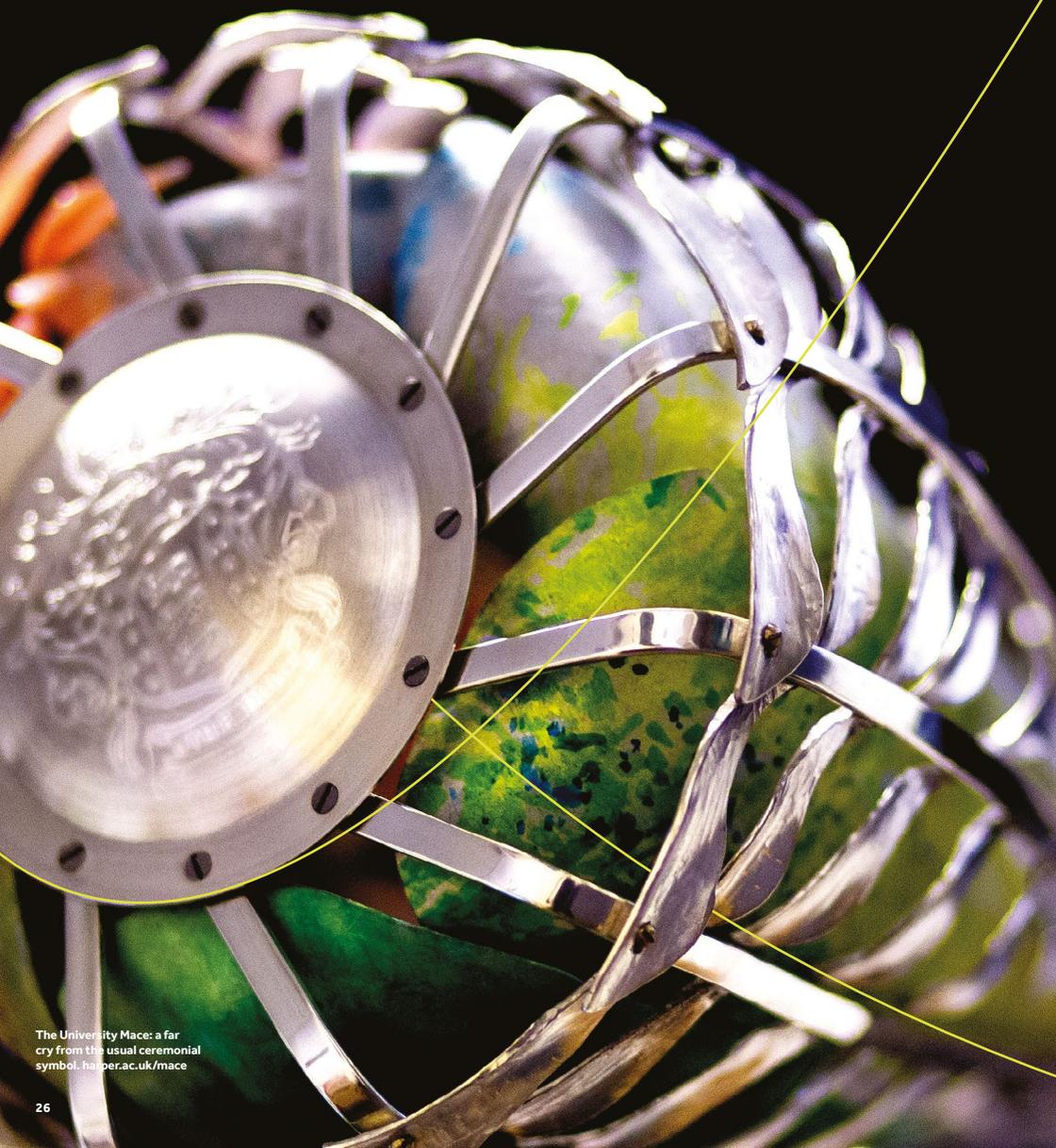
<sup>3</sup> WhatUni 2016

<sup>4</sup> The Times Good University Guide



**All  
Harper**

# Our Courses



The University Mace: a far cry from the usual ceremonial symbol. [ha.per.ac.uk/mace](http://ha.per.ac.uk/mace)

**The modern world needs a modern way of thinking. We're the UK's number one modern university\* and our four-part course structure is designed to meet this need.**

**From day one at Harper Adams, you'll discover new ideas and develop them through a mix of academic study and practical projects.**

**During your placement year, you'll put your ideas to the test. Working in industry will challenge your knowledge and skills in the real world.**

**After your placement year, you'll evaluate your learning and start to develop your own solutions to some of the world's biggest challenges.**



70% of the UK is agricultural land and 12.5% of the UK population is actively involved in food production from farm to fork.

There are around 200 career areas in agriculture and the ancillary industries.

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

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

## **Course Manager**

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## **Admissions**

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# Agriculture

**Agricultural leaders with 115+ years experience**

**Highly applied degrees with a common first year**

**Outstanding career prospects**

**Paid placement year gives you the experience and skills employers want**



[harper.ac.uk/agric18](http://harper.ac.uk/agric18)

**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.**

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, science and technology to achieve the best outcomes. They 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, 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.

In the first year all agriculture students take the same modules, giving you a good general overview of what happens on-farm: animal and crop production, farm business management and marketing, agricultural mechanisation, and the underlying biological and environmental science. You can then stick with general agriculture, or choose to specialise in animals, crops, business or mechanisation.

## Careers

**Employability is outstanding for agriculture graduates.**

**They work across the food supply chain at home and overseas as, for example: farm managers, agronomists, consultants and advisors, estate managers, dairy specialists, animal nutritionists, mechanical engineers, and in field sales, teaching, and running their own businesses.**

Discover each course's modules online:  
[harper.ac.uk/agric18](http://harper.ac.uk/agric18)

### Access to Agriculture

To study agriculture at Harper Adams, you'll need at least ten weeks work experience on a commercial farm by 1st August in the year in which you apply. If you're struggling to achieve this we can 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.

Call us or visit the website for more details:  
[harper.ac.uk/a2a](http://harper.ac.uk/a2a)  
+44 (0) 1952 815000

“

My year on placement was the highlight of my course. I worked with the largest animal feed manufacturer in Europe, travelling often to the Netherlands and Germany, working alongside some of the top nutritionists and researchers in the industry. I was always open to different career paths. I initially wanted to be a physiotherapist but my love for animals and the countryside led me to Harper Adams to study a land based course.

”

**ForFarmers awarded Lauren (below) a scholarship that included a paid placement year. She is now a graduate trainee there.**

### 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, Co-operative Farms, Dalehead Foods, Defra, Faccenda, ForFarmers, Frontier Agriculture, Holstein UK, Hutchinsons, John Deere, McDonalds, PD Hook, Syngenta, and Velcourt.

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

### Your placement

All agriculture students benefit from a year of paid, highly quality 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 and not 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 a BSc Agriculture or BSc Agriculture with Crop Management degree 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.



There is nothing more important than feeding the world. The public trust farmers with their health every single day. I want to be part of the industry that sustains the human population.

## Nicola Blowey Agricultural Student of the Year 2016, British Farming Awards



Course	Level	UCAS Code	Duration (years)
Agriculture	BSc (Hons)	D400	4
	FdSc	D405	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)	D492	4
	FdSc	D493	3



## Placement kick starts your career

"I used to want to be a dairy farm manager, but the more I learned about marketing, economics and business, I felt I could use these and my practical knowledge to benefit others. I thought if I tried something new for placement, if I didn't like it I only had to do it for 12 months. Fortunately I loved it! I worked as a trainee agricultural consultant for Harvey Hughes and I'm going back as a graduate. I already have my own small client base, which is growing all the time and I can't wait to get stuck in."

## Thomas Greenway BSc (Hons) Agriculture

## Student stories: undergraduate research

The work you do as a student can make a big impact on the real world. Libbie Harris investigated the effect of semen dilution rate at freezing on the integrity of frozen-thawed ram sperm. Her final year project won her two industry-sponsored awards and now, as a Farms Solution Manager for the Livestock Improvement Corporation, helps her to advise customers on breeding programmes to maximise profitability in their dairy herds.



50 animal experts make up our teaching staff, including vets, animal scientists, physiotherapists, researchers, vet nurses, technicians and professors carrying out cutting edge research.

# 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.

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

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#### Admissions

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# Animal Sciences

Large, diverse teaching team

Small class sizes for individual attention

Facilities include an on-campus farm

Highly applied scientific degrees

Placement year puts you ahead of competition



[harper.ac.uk/animal18](http://harper.ac.uk/animal18)

**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.**

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.

You'll be taught by a large team of experts in their field: Veterinary surgeons and nurses, professors, animal physiologists and nutritionists, specialists in animal behaviour and microbiology, molecular biologists and animal welfare scientists; all ably supported by laboratory and farm technicians. 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 – while studies are less hands-on than in further education, there will still 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 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 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 stand out from the crowd.

## Careers

**Our degrees give you the edge, with a combination of knowledge, hands-on skills, a year's work experience, confidence and industry contacts. You could become an animal scientist, health and welfare advisor, zoo keeper, researcher, clinical animal behaviourist, animal technician, livestock manager, animal physiotherapist, or education officer. You may help develop or sell animal feeds or medicines, work for an animal charity, or apply for veterinary school.**

Discover each course's modules online:  
[harper.ac.uk/animal18](http://harper.ac.uk/animal18)



“

I am the key account manager for livestock farms and suppliers and so I spend four days of the week travelling around the UK visiting farms, shows and conferences. My job is to advise farmers and increase turnover for the livestock team.

”

**Following a successful placement year with Anglia Farmers, the largest agricultural purchasing group in the UK, 2016 graduate Thomas Baines-Sizeland was delighted to return to the company as a business development manager.**

## 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 pharmaceuticals, 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.



“ ”

Being a graduate is, I feel, the only way that I could have entered the nutrition industry because of the competition for these jobs. On placement I met so many people in the pig industry and learned so much. 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?’

**Following her placement with Cargill Premix and Nutrition, Josie Hatch was asked to join their European graduate training programme, working with sheep, beef, dairy, pigs, and poultry.**



### 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), as Thomas Baines-Sizeland (opposite) did. 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.

“

In the future you could be in a hands-on role caring for zoo animals, creating a nutritious new dog food in a high-tech lab, or helping people to look after their pets.

”

**Stephen Baugh, Course Manager**

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	D302	5
	BSc (Hons)	D301	4
Bioveterinary Science	MSci	D303	5
	BSc (Hons)	D300	4



**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.**

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

**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**

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**Admissions**

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The Chartered  
Institute of Marketing



[harper.ac.uk/business18](https://harper.ac.uk/business18)

**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 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. Just... wow. 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.

## 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.**

Discover each course's modules online:  
[harper.ac.uk/business18](http://harper.ac.uk/business18)



“

I didn't know what sector I wanted to go into till I studied fresh produce production and was inspired by the fast paced environment of the fresh produce industry. I then spent my placement year with Emmett UK, which grows vegetable, salads and flowers for Tesco and Waitrose, and learned about the supply chain, logistics, how businesses operate and different management techniques. Placement helped me to build contacts in the industry and secure a graduate job.

”

**Sophie Bull is now a management trainee on the prestigious Management Development Services (MDS) graduate training programme.**

## 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, Cargills Meat Europe, Claas, Dairy Crest, Eddie Stobart, Faccenda, Frontier Agriculture, McDonalds, MMUK, NFU and Univeg UK.

Many of our industry partners also sponsor student projects, scholarships, research and prizes. The 'Rabobank/M&S scholarship, for instance, offers two years' full tuition fees and a paid work placement.

## 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.

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.



Harriet Livesey is creating her own business producing mushroom beer.

## Placement can take you far

Steve Jobs said:

“The only way to do great work is to love what you do.”

And if you love hurtling down snowy mountains? Get a job in the global ski industry. On his work placement year with ski company Snowcoach, Jim Blackstock developed skills in staff recruitment, organisation, customer services, driving, entertaining, catering, and the French language and culture, and currency. A keen skier, Jim worked part-time to save for winter adventures, including a holiday job with Snowcoach – which directly led to his placement. Could you use your business skills to make your hobby into your career?

## Overseas careers

Assistant general manager Matthew Harrison works for Taylor Winch, based in Tanzania, a subsidiary of the Swiss-based coffee house, Volcafe that buys, exports, hedges and trades green coffee from all over the world.

*Matt says:*

“I chose this career so I could travel and experience other cultures. The reason it was even an option is because of the experience I gained on my placement year in Kenya during my degree at Harper. There is a real demand for coffee traders who are outgoing and willing to work and travel abroad.”

“

Agri-business is the perfect mix for me, combining the three things I am most passionate about: food, agriculture and business.

”

**Grace Gibbs**



## 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 business-related students are invited to register for the Chartered Management Institute Level 5 Award. Business Management with Marketing students have the opportunity to boost their CVs by taking qualifications in hygiene and food safety, and commercial sales. You could also take Microsoft exams. Extra costs 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.

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



Develop skills for employment  
in the environmental sector

Our location offers great opportunities  
for learning outdoors.

**“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

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**

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**Admissions**

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



**CIEEM**

# Countryside, Environment, Wildlife & Geography

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Learn about the countryside  
in the countryside

---

Highly vocational courses

---

Residential and day field trips

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Careers in a wide range of sectors

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harper.ac.uk/cewg18

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**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, 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.**

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.

## 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, rural surveyors, environmental, wildlife and planning consultants, recycling/waste and renewable energy managers, teachers, lecturers and urban regeneration officers.

Discover each course's modules online:  
[harper.ac.uk/cewg18](http://harper.ac.uk/cewg18)

“

Placement was the best thing I could have ever done; I learnt new skills, gained valuable experience and confidence for the future. I enjoyed it so much I didn't want to leave!

”

**Will Barker (below) made such an impression while on placement at South Staffs Water that he was offered a graduate job after finishing his degree.**



## 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).

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 or Portugal 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.

## “ ”

All of the courses that we offer in Countryside are very applied and we're trying to address real world problems and come up with practical solutions.

## Dr Andy Wilcox

### Head of Crop & Environmental Sciences



## Green heroes

Tom Tyler grew up in the town just a couple of miles from Harper Adams and loved being part of the university's close knit community. Now, as a graduate, he is putting something back into the borough he grew up in. The 24-year-old is a Green Heroes project leader, encouraging Telford communities/businesses to get out and improve their mental and physical well being through green exercise.



## From placement to graduate career

"The beauty of a large estate lies in the many business opportunities and many departments which all work together, whether it is managing the land, properties, or the visitors,"

**Countryside and Environmental Management graduate Ellie Exelby, who spent her placement with Blenheim Palace and is now an Assistant Rural Manager there.**

## Discover new horizons

"Placement's given me the opportunity to find careers I didn't know existed. I'm looking into doing landscape architecture, which is the design of open spaces."

**Georgina Stretch spent her placement with an environmental consultancy company.**

Course	Level	UCAS Code	Duration (years)
Countryside Management	BSc (Hons)	D4N9	4
	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



The average starting salary of our MEng graduates is 29k, higher than Imperial College London, Cambridge, and Loughborough University.

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

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

#### Course Manager

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#### Admissions

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Institution of  
**MECHANICAL  
ENGINEERS**



# Engineering

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**Outstanding career opportunities**

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**Real world projects and placement year develop your applied skills**

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**Unique courses and facilities**

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**Highly regarded and respected by industry**

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**Dedicated staff help you to achieve your highest potential**

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[harper.ac.uk/engineer18](http://harper.ac.uk/engineer18)

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**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. 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 tough – 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 farming, mechatronics and robotics. This is an extremely supportive environment with staff readily availability for one-to-one study help.

Our students undertake commercially relevant projects for industry clients such as Lotus, who Seb Parkes worked with on his final year MEng research project. He said: “Lotus’ small car platform is the chassis at the heart of a large range of small, sporty vehicles supplied by Lotus, Opel and Tesla. The company asked if this chassis could be used in an off-highway application with minimal modification, keeping as many standard components as possible.” Seb found it would indeed be feasible. Future Harper engineers will continue to work on this project, and many other real-world problems.

## Careers

**Career opportunities are outstanding for Harper Adams graduates. They can be found working around the world in design and development, mechanical engineering, as product specialists, consultants and in technical sales, though their skills are transferable to many different engineering sectors.**

Discover each course's modules online:  
[harper.ac.uk/engineer18](http://harper.ac.uk/engineer18)



“

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.

”

**Tom Lindley, MEng 2016**

### **Work placement**

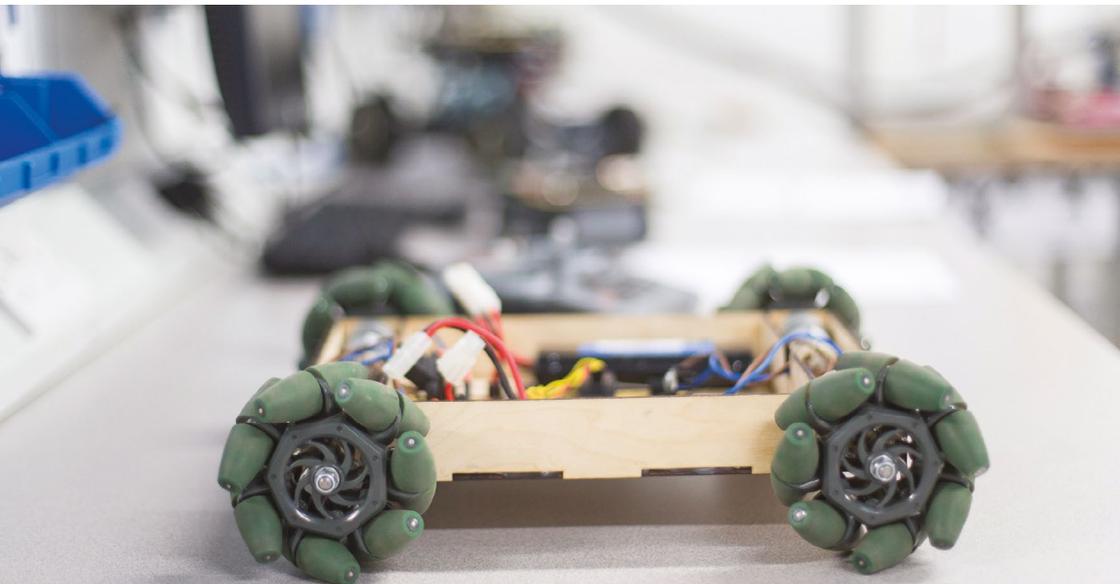
All engineering students benefit from a year of high quality work in industry in the UK or overseas, where you can use and develop the skills learned in your first two years of study. You'll be helped to find the right role by a placement manager based at the university and will be supported throughout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



## Projects

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

"My final year project involved testing the on road stability of a backhoe loader in varying transport positions, a project chosen after experiencing the differences when working on backhoe loaders during my placement at Terex," says Adam Phillips. "To create bespoke measuring equipment to measure rear tyre deflection whilst driving I had to think on my feet and develop solutions within tight time frames, which has helped in my job as a development engineer at Terex."

## Topping-up

Students with an appropriate foundation degree or HND may be able to top-up to a BSc (Hons) Product Support Engineering. See UCAS for details or call the course manager.



## 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 workshops. 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.

## Professionals from day one

"On my year's placement I worked on the development of a new design for a component for the new successor class submarine to move to the prototyping stage. I also worked with an external project manager to redesign the company's floor plan to make space for a new civil nuclear cell using lean principles to improve product flow in the process. At Harper Adams you get practical experience through both placement and the course, so companies can make immediate use of a Harper graduate where other university graduates may need more support when starting in industry for the first time."

## Sam Gatley spent his placement with IMI Trufflo Marine

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



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.

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

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 Manager

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#### Admissions

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# Food Science, Technology & Innovation



[harper.ac.uk/food18](http://harper.ac.uk/food18)

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Outstanding career opportunities

A year in industry on placement gives you the experience employers want

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Great facilities, including a dedicated food centre and commercial farm

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Small and friendly campus

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**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 technicians 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. 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 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.**

Discover each course's modules online:  
[harper.ac.uk/food18](http://harper.ac.uk/food18)



“

My placement manager phoned me at the start of my final year to tell me that they wanted to offer me a graduate trainee job. I can't tell you how thrilled I was.

”

**Harper Adams students often make such an impression on their placement employers that they go on to great careers with them after graduating. Stephanie Swinyard is the latest graduate to return to Dalehead Foods, which supplies Waitrose with over 400 products, including fresh pork, bacon, sausage, cooked meats, lamb and added value products.**

## Careers

With a shortage of suitably qualified food graduates in the UK the career opportunities are great. You'll find our multi-skilled graduate technicians, scientists and food engineers working in every part of the food chain: finding out what consumers want, researching, growing and developing new things to eat, bringing them to the supermarket shelves, and making sure they are delicious, safe and sustainable. They design packaging, manage teams and deliver products to the supermarket shelves. They may be marketing professionals informing customers about new products, finance specialists looking after profit margins, IT experts ensuring the technology works well, sales people, or working in HR to find and train the best staff. The possibilities really are endless.

## 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 manager 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 hazard analysis and critical control points (HACCP) and 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.



## Rapid progression

Jack Giddings realised he was interested in new product development (NPD) whilst studying food at GCSE, learning more during his university placement with Dairy Crest and his first graduate job with Pork Farms. Three years after graduating he is an NPD manager with beef processors ABP Foods.

## Student research – food poisoning

Industry often sponsors student research. Noble Foods, the leading supplier of fresh eggs to the major retailers, asked final year student, Stephanie Bayford, to validate a novel portable test for *Campylobacter* detection. *Campylobacter* is the most common cause of bacterial food poisoning in the UK.

“

I particularly liked that there were such strong links with the farm. It made sense to me to study at the beginning of the food chain, rather than in the middle of a city as I felt it would give me a better view of the food industry as a whole.

”

**Stephanie Swinyard**

Course	Level	UCAS Code	Duration (years)
Food & Public Health Nutrition	BSc (Hons)	D6B4	4
Food Business Innovation and Entrepreneurship	BSc (Hons)	See <a href="https://ucas.com">ucas.com</a>	4
Food Manufacture with Marketing	BSc (Hons)	D640	4
Food Sustainability Management	BSc (Hons)	See <a href="https://ucas.com">ucas.com</a>	4
Food Technology and Product Development	BSc (Hons)	D633	4
Food Technology with Nutrition	BSc (Hons)	DB64	4



The latest graduate employment figure for REALM students is 100% (HESA 2015).

Most students complete the first year of the RICS Assessment of Professional Competence (APC) whilst on placement.

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

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**

Simon Keeble: 01952 815 307  
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**Admissions**

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# Rural Estate, Property & Land Management

Accredited by the Royal Institution  
of Chartered Surveyors (RICS)

Outstanding, diverse career prospects

Placement year provides the experience  
and skills employers want

Close links with industry



[harper.ac.uk/real18](http://harper.ac.uk/real18)

**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.**

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.

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.

## RICS & CAAV

**We are one of only a few institutions to be accredited by the Royal Institution of Chartered Surveyors and students are encouraged to qualify as RICS Rural Chartered Surveyors. Many graduates also go onto become Fellows of the Central Association of Agricultural Valuers.**

Discover each course's modules online:  
[harper.ac.uk/real18](http://harper.ac.uk/real18)

“

I spent my placement at Chatsworth, assisting with the management of the estate beyond the house and gardens, including let residential properties and farms, holiday cottages, environmental stewardship schemes, in-hand farms, fisheries, land registration mapping; you name it! On a typical day I might use mapping software to produce plans for a lease or for land registry, draw up heads of terms for a tenancy, deliver a hamper and make checks on a holiday cottage, then put on wellies and carry out a farm record of condition!

”

**Maddi Naish (below) is now an assistant rural surveyor for the National Trust**

## 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 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.

## Working with industry

Our graduates work with large national land agency and property firms, small professional practices, estates, livestock auctioneers, utility companies, charities, local authorities, professional bodies, including:

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

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



## 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. 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.



## “Not just a career, a way of life.”

Auctioneering is an attractive career, requiring great communication, negotiating and organisational skills, not to mention a quick mind and tongue! It's a job graduate Will Probert is passionate about, having grown up around livestock markets. Will returned to chartered surveyors and auctioneers RG and RB Williams after a successful placement, selling livestock, farm machinery, furniture, farms and even houses, and a year later was named New Auctioneer of the Year in the Marts the Heart awards. Will said: "I thrive off the ringside atmosphere and love the early morning start on sale day, greeting vendors, buyers and clients. Auctioneering is not just a career, but a way of life."



## “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.”

Senior lecturer Andrew Black, adds: "For example, a rural chartered surveyor friend of mine was responsible for negotiating the route and agreeing compensation for the mammoth task of moving the decommissioned aircraft Concorde a mile across a muddy field, having travelled by barge from London to the Museum of Flight in East Lothian. Many obstacles across the route had to be overcome, including building bridges over ditches, felling trees and dropping power lines. Everything was agreed by negotiation."

## Student research makes a difference

Rural surveyors get involved in a variety of work, including potential sources of energy like hydraulic fracking, which student Emily Barnacle researched in her final year project, whilst working in Texas and Oklahoma during a summer vacation. "A lot of research has been done on the environmental and health implications hydraulic fracturing has, but I didn't see much work on the impact on agriculture. In the US I saw that the main issues that surround fracking from the farming perspective are livestock and water contamination. There are regulations in place to protect the land but these aren't always applied to the gas and oil fracking industry as if, for instance, there's a dairy farmer who is relying on a borehole, their business could be devastated if the well is incorrectly sealed."

Course	Level	UCAS Code	Duration (years)
Real Estate*	BSc (Hons)	See <a href="http://ucas.com">ucas.com</a>	4
Rural Enterprise & Land Management (REALM)	BSc (Hons)	DNK2	4
Rural Property Management (RPM)	BSc (Hons)	D440	4

\*Subject to validation



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

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

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

#### Course Manager

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#### Admissions

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# Veterinary Nursing

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Accredited by the Royal College  
of Veterinary Surgeons (RCVS)

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A full year on placement plus shorter  
periods in practice

---

Be eligible to register as a veterinary  
nurse upon graduation

---

Taught by a large supportive team

---

Individual attention tailored  
to your needs

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[harper.ac.uk/vetnurse18](http://harper.ac.uk/vetnurse18)

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**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?**

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.

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.

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

**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.**

Discover each course's modules online:  
[harper.ac.uk/vetnurse18](http://harper.ac.uk/vetnurse18)



You'll never be bored on placement! I'd admit patients, carry out pre-op checks and administer pre-medication, prepare animals for surgery, monitor their anaesthetic and their recovery. I'd clean down theatre between surgeries and at the end of the day, care for in-patients, take blood and analyse it in the lab, discharge animals to their owners, and maybe spend some time in reception, answering phones and helping clients.



**2016 graduate Beth Morris**

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

## 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, working with veterinary surgeons to carry out 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.



## 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.

"The rules set by the RCVS mean registered nurses are able to perform more tasks than non-registered nurses. I now work at Green and Forsters, on the Isle of Wight. I found the job through a veterinary surgeon I worked with on placement, who told me there was a summer position available and thought I would be perfect for it. Whilst working there the director of the practice offered me a full-time position when I graduated. This goes to show that the placement year can have a big impact on your future. The variety of animals the practice treats is what interested me. As well as companion animals (dogs, cats, rabbits) they also treat farm animals, zoo animals and exotics. In just three months I was able to assist with the anaesthetics of penguins, eagles, honey bears, meerkats, bearded dragons and goats!"

**Stevie Tapson, 2016 graduate**

## “ ”

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.

## Abi Page, Stowe Veterinary Group

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

\*Subject to validation



Practitioners provide physical therapy to animals referred by a vet.

You do NOT need to have studied human physiotherapy to train as a veterinary physiotherapist.

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

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

**Course Manager**

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**Admissions**

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+44 (0) 1952 815000

# Veterinary Physiotherapy

Learn the skills and knowledge to practice as a veterinary physiotherapist

Recognised by the National Association of Veterinary Physiotherapists

It's hands-on: take part in real clinics on campus

Great facilities, including the Veterinary Services Centre

A full year's work placement



[harper.ac.uk/physio18](http://harper.ac.uk/physio18)

**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.**

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 surgeons and animal specialists including dedicated veterinary physiotherapy lecturers.

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, factors that may cause them problems or hinder their recovery such as poor nutrition, working with owners to create a treatment plan that they can comfortably implement and maintain at home.

## Accreditation

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

Discover each course's modules online:  
[harper.ac.uk/physio18](http://harper.ac.uk/physio18)



“

On placement I loved the outdoor, active lifestyle of Australia and working in the fast-paced, interesting horse racing industry.

”

**Rosie Cowie worked for  
Sydney-based Bjorn Baker Racing**

## Facilities

The recently built Veterinary Services Centre gives animal physiotherapists a base to see real life clients during clinics. The centre has a hydrotherapy suite and consultation rooms with 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, providing a service to local veterinary surgeons and animal owners, and at Harper Adams you'll learn practical skills to help you set up a practice. Most 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. A number of animal physiotherapists work closely with the equine sports industry within racing or other sporting disciplines. Some go on to specialise in respiratory or 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 part-time job too, giving them an even wider range of experience.

## Your clinical lecturers

### *Beth Roberts*



RVC-trained veterinary nurse Beth was one of the first students to obtain an MSC in Veterinary Physiotherapy from Harper Adams University 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, heading up a rehabilitation and hydrotherapy unit at a first opinion and referral veterinary hospital in the Midlands. She is the lead veterinary physiotherapist for canine physiotherapy clinics at Harper, with specialist interest in pain management and neurology.

### *Helen Morrell*



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, having trained at the University of Florida's College of Veterinary Medicine, and is widely acknowledged for introducing the technology to the companion animal sector in the UK. 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 during her career. Her experience in the saddle and on the ground is invaluable in developing effective remedial exercise prescriptions, and ensuring harmony between horse and rider.

“

Seeing a para or tetraplegic dog able to walk again because of the rehab team I was a part of was such a rewarding experience.

”

**Matthew Scott spent his placement in a referral hospital working alongside a practicing veterinary physiotherapist at the Royal Veterinary College's referral hospital, and in an equine yard to gain more experience with horses.**

Course	Level	UCAS Code	Duration (years)
Veterinary Physiotherapy	BSc (Hons)	D31A	4



shutterstock.com/zoonar

You will study whole animals, from farm livestock and pets to wildlife and insects, developing the skills and knowledge needed in this vibrant sector

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

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

**Admissions**

*admissions@harper-adams.ac.uk*

*+44 (0) 1952 815000*

# Zoology

**You'll study whole organisms, not just the molecular level**

**Be taught by leaders in the field**

**The only entomology undergraduate degree in the UK**

**Great career prospects and placements**

**Dedicated facilities including a commercial farm, companion animal and insect collections and entomology laboratories**



[harper.ac.uk/zoo18](http://harper.ac.uk/zoo18)

**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 both human and animal life and how they can be sustained in the face of global challenges, from climate change to food security.**

This is only zoology degree in the UK that allows you to specialise in entomology, in which Harper Adams is at the forefront of education and research. You can choose to study pure applied zoology or specialise in entomology or conservation. As a zoologist you will help to maintain the biodiversity that could be 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 adaptations to climate change. 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.

You will study a wide range of modules and species, from farm livestock to companion animals and exotics, to wildlife 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.

**“ ”**

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

**Professor Simon Leather**



shutterstock.com/SanderMeertins

## Placement

All zoology students will benefit from a year of highly 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 or nutrition company.

## Careers

With a zoology degree you could become a zoologist, ecologist or environmental consultant. Other careers include research scientists, field trials officers, and nature conservationists. You may find yourself improving agricultural crops and livestock, conserving endangered species and habitats, or developing and testing new drugs. Or you may work in disease and pest control, animal welfare and education, or perhaps developing policies and regulations.

Course	Level	UCAS Code	Duration (years)
Applied Zoology*	BSc (Hons)	See <a href="https://ucas.com">ucas.com</a>	4
Zoology with Conservation*	BSc (Hons)	See <a href="https://ucas.com">ucas.com</a>	4
Zoology with Entomology*	BSc (Hons)	See <a href="https://ucas.com">ucas.com</a>	4

\*Subject to validation



# Extended Foundation Degree Programme







Choose from four different routes:  
Agriculture, Animal Sciences,  
Business or Countryside.

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

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

# Degrees with a foundation year

## Duration

Foundation degree: Four years

BSc (Hons): Five years



harper.ac.uk/efdp18

## 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 foundation 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 foundation year (Year 0) you will progress onto a foundation degree (FdSc). To be accepted onto a full BSc (Hons) degree you will need to achieve a 60% pass (rising to 65% for certain subjects). A pass of 60% and above also gives the opportunity for transfer to Engineering, Food, Realm and Vet 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. We will ask mature students without formal qualifications to demonstrate their ability to study at higher education level. This may include an academic assessment at Harper Adams, taken on interview days.

To follow the agriculture route you will need relevant work experience. See pages 28-31 and 95 for further details.





Route	Agriculture	Animal Sciences	Business	Countryside Management
<b>UCAS code</b>	D407	D393	N1N5	D497
<b>Core modules</b>	Animal Biology and Health	Animal Biology and Health	Enterprise Studies	Countryside Studies
	Animal Management and Welfare	Animal Management and Welfare	Global Issues and their Business Impact	Environmental Engineering Science
	Environmental Engineering Science	Countryside Studies	Countryside Studies	Enterprise Studies
	Plant Production Science	Food Studies	Food Studies	Plant Production Science
<b>Essential modules</b>	Mathematics Applications and Statistics			
	Information and Communication Technology			
	Academic Skills			
	Team Challenge			

# Partner College: Askham Bryan

## Enquiries

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

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**The college was established more than 65 years ago and has an excellent reputation for the high quality of its land-based education. Its teaching staff have a wealth of experience in the land-based industries and strong links with employers.**

Harper Adams University is partnered with Askham Bryan College, located just outside the lively City of York. We validate and award a range of degrees taught at the college.

Our partnership has resulted in further expansion of Askham Bryan's specialist expertise and study resources. The college shares our belief 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 that will be immediately employable, but who also have the ability to cope with future industry changes.

### **The campus**

A multi-million pound investment programme has enhanced the campus at Askham Bryan, including a new Agri-Tech Centre based at Westfield Farm on the York campus, and a state-of-the-art Wildlife and Conservation Centre, incorporating a 24 acre wildlife park, also at the York campus.

Accommodation is available onsite just a short walk to lectures and other key areas of the campus. Future developments will include new student accommodation and modernised social and study space for higher education students.

The main campus at York is easily accessible, located just a few miles outside of York city and close to major road and rail networks, with student parking facilities. Regular buses to York, Leeds and the scenic Yorkshire coast stop near the campus.

### **Study**

The college provides several routes into higher education. For those with A-levels or equivalent qualifications, foundation degrees can be completed in two years, studying full-time. For those without these qualifications there is a three-year extended foundation degree programme, which include a preparatory year. Foundation degrees can be followed by top-up courses which lead to honours degrees with only one additional year of study. There are also several three-year honours degree programmes at Askham Bryan with direct entry for those with higher A-levels or equivalent qualifications.

### **Applications**

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

"Askham Bryan is an amazing place, I have gained so much confidence through the mix of working studying and socialising"

**Matthew, Foundation Degree  
Horticulture**

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**Agriculture**

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Extended Foundation Degree Agriculture	D4U7*
BSc/BSc (Hons) Agriculture	D4U9*
Foundation Degree Agriculture	D4U8*
BSc/BSc (Hons) Applied Agriculture (top up)	D4U4*

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**Animal Management**

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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*

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**Arboriculture**

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Foundation Degree Arboriculture with Urban Forestry	D5K6*
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**Countryside Management**

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Extended Foundation Degree Countryside Management	DN44*
Foundation Degree Countryside Management	DN43*
BSc/BSc (Hons) Countryside Management (top up)	D449*

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**Equine**

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Extended Foundation Degree Equine 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*

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**Horticulture**

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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*

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\*Subject to validation or revalidation (module titles may be subject to change throughout the revalidation)

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# Postgraduate & research degrees



# Postgraduate & research degrees

## Enquiries

[harper.ac.uk/researchdegrees](http://harper.ac.uk/researchdegrees)

[harper.ac.uk/pgcourses](http://harper.ac.uk/pgcourses)

**Taught postgraduate and research students play an important part in our drive to meet the challenges facing the 21st century agri-food supply chain. Their studies enhance not only their personal, career and earning potential but the university's knowledge base and industry practice.**



### **Make a difference**

#### *Slug research*

Scientists at Harper Adams have implanted tiny trackers into slugs to learn more about their behaviour. Slugs can cause millions of pounds of damage to crops but our research aims to discover how they live amongst crops, and therefore how we can target them with pest control measures, rather than spreading chemicals over an entire field. PhD student Emily Forbes, from Lincolnshire, is leading the research, which is funded by the Agriculture and Horticulture Development Board (AHDB), The Potato Council, and AHDB Cereals and Oilseeds.



Discover more online:  
[harper.ac.uk/researchdegrees](http://harper.ac.uk/researchdegrees)  
[harper.ac.uk/pgcourses](http://harper.ac.uk/pgcourses)



“

The way that engineering is learned at Harper Adams, the applied nature and support provided, opened new doors to me.

”

**Eleanor Krayenbrink**

### Enhance your career

“Obtaining a Masters degree with an engineering background was essential - I would not have been considered for this position without it” says Eleanor Krayenbrink, a platform engineer with Jaguar Land Rover’s Special Vehicle Operations working with bespoke luxury cars.”

**Ellie studied both undergraduate and postgraduate degrees at Harper Adams, giving her the higher level skills required by employers in this challenging field. “The modules I studied have significantly benefitted me. For instance, the ability to function within a team, understanding the importance of project timing, managing people as individuals and groups, and the ability to recognise and rectify inefficiency and waste in processes.**

Course title	Level
<b>A</b>	
Advanced Veterinary Practice Sciences	MSc / PgD
Agricultural Engineering (Mobile Machinery)	MSc
Agricultural Law	PgC
Agricultural Sciences and Production Systems	MSc/PgD/PgC
Agroecology	MSc / PgD / PgC
Applied Ecology	MRes
Applied Mechatronic Engineering	MSc / PgD / PgC
Aquaculture	PgC / PgD / MSc / MRes
Automotive Engineering (Off-Highway)	MSc
<b>C</b>	
Conservation and Forest Protection	MSc / PgD / PgC
<b>E</b>	
Ecological Applications	MSc / PgD
Entomology	PgC / PgD / MSc
Exotic Animal Studies	PgC
<b>F</b>	
Feline Veterinary Studies	PgC
Food Industry Management	MSc / PgD / PgC
Forestry Management	MSc / PgD / PgC

<b>I</b>	
Integrated Pest Management	MSc / PgD / PgC
International Agri-Business and Food Chain Management	MSc / PgD / PgC
<b>L</b>	
Land and Property Management	MRes
<b>M</b>	
Master of Research	MRes
Meat Business Management	PgC
<b>N</b>	
Negotiated Studies	MSc / PgD / PgC
<b>P</b>	
Pig Production	MSc / PgD / PgC
Plant Pathology	MSc / PgD / PgC
Poultry Business Management	PgC
Poultry Production	MSc / PgD / PgC
<b>R</b>	
Ruminant Nutrition	MSc / PgD / PgC / MRes
Rural Estate and Land Management	MSc / PgD
<b>S</b>	
Small Animal Cardiology Studies	PgC
Small Animal Diagnostic Imaging	PgC
Small Animal Emergency Medicine and Surgery	PgC
Small Animal Medicine	PgC
Small Animal Ophthalmology	PgC
Small Animal Surgery	PgC
<b>V</b>	
Veterinary Nurse Practitioner	PgC
Veterinary Nursing	MSc / PgD
Veterinary Oncology Nursing	PgC
Veterinary Pharmacy	MSc / PgD / PgC / UDip
Veterinary Physiotherapy	MSc / PgD
Veterinary Rehabilitation Nursing	PgC
<b>W</b>	
Western Veterinary Acupuncture and Chronic Pain Management	PgC

# Essential



# Information



# Teaching & learning

We're a small, specialist university, and that means we can give you individual attention, small class sizes and personal support. We're in the top ten in the country for having the highest percentage of qualified staff\* with industrial experience and both academic and teaching qualifications.

## Modules

All of our degrees are made up of modules, each of which focusses on a specific subject. Core modules are compulsory, while others are optional. 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 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
What is it?	Foundation Degree	Bachelor's Degree	Master's Degree (Master of Science or Engineering)
How many years?	Three	Four	Five
How many modules?	16	24	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 meeting challenges, learning new things, meeting people, making decisions, managing money and even staff, planning ahead, using your initiative, taking responsibility. We see the difference in our students when they get back from placement – they're more confident, focussed, ready to take the world on! 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 open to ideas, 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

# 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. 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/accomm](http://harper.ac.uk/accomm)

## 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, Pam's Pantry on the south side of campus and Costa in the Agri-EPI centre.

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
- More than 800 students live on-site
- All halls include free parking, regular cleaning, wired/wireless internet and 24-hour security

Halls	Catered/ Self catered	En-suite bathroom	Weekly laundry service	Single/shared room	Bedrooms	Cost*
<b>Boughey</b>	Catered	No	Yes	Single	65	£5,135
<b>Bradford</b>	Catered	No	Yes	Both available	50	£5,135 (single) £4,115 (single)
<b>Courtside</b> Jermain, Leverhulme, Princess Royal	Self-catered	Yes	No	Single	112	£4,080 (single)
<b>Gloucester</b>	Catered	Yes	Yes	Single	80	£5,969 (single)
<b>Harris</b>	Catered	Yes	Yes	Single	98	£5,969 (single)
<b>Pitchside</b> Darwin, Derby, Jebb, Silcock	Self-catered	Yes	Yes	Single	180	£4,386 (single)
<b>University Houses</b> Flatt Road, Newtown, Poultry Drive	Catered	No	Yes	Both available	80	£4,730 (single) £3,710 (shared)
<b>Ward</b>	Catered	No	Yes	Single	35	£5,135

\*Based on 2017/18 rent for a 36-week period



## University Farm

Not many universities have their own commercial farm on campus. Harper Adams students are able to learn 'in the field' on the 550 hectare University Farm. Through a multi-million 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.

The £2 million, leading-edge dairy unit has a 40-point internal rotary milking parlour and a computerised system for identifying cows and recording milk yields. A robotic dairy will help develop advanced technologies to increase productivity and sustainability in UK agriculture.

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 all the support you need from accommodation and learner support to help from the 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 and computers.

## Science facilities

Our extensive laboratory complex is a fantastic resource for our science-based courses. After £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

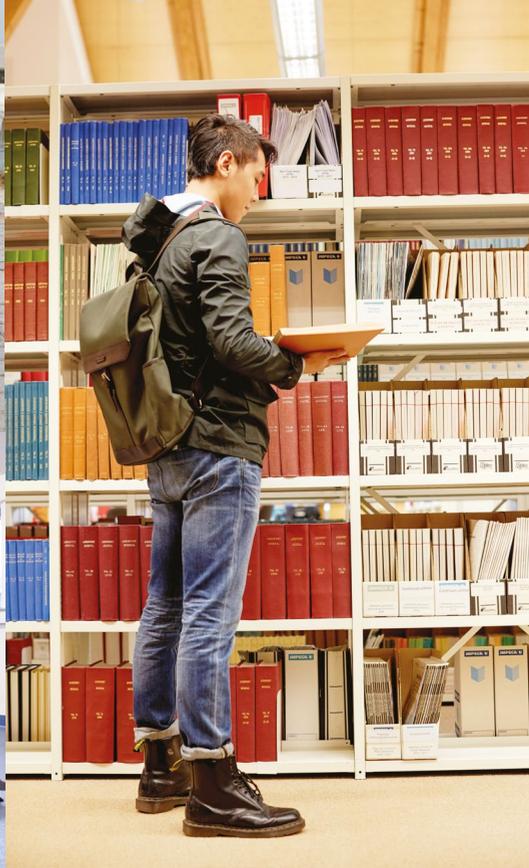
There are many PCs in the library, where the IT help team are based, and in a number of other buildings on campus, including 24-hour computer rooms. You can access the web, university email and learning resources through our wireless network in the library and other locations on campus. Wired and wireless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

## 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





# Department & Sports 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

## What's on?

From Freshers' Week to fancy dress parties, film nights, music, sports, comedy, day trips, food, and four themed balls a year, the Student's Union works hard to make Harper life as fun and friendly as it can. 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 you can gather. 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 or supporting from the sidelines.

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, ten-pin bowling, swimming and fitness.

Non-sporting activities include clubs for Welsh, Irish, Scottish, international students, Christian and LGBT students. There are also societies for debating, conservation, dance, gaming, and outdoor pursuits. The SU has an active RAG society in 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 a vibrant history alongside independent shops, cafes, pubs, supermarkets, and the Central Square nightclub.

### Telford

At Telford's town centre you'll find two multi-screen cinemas, ten-pin bowling, 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.



**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 problems 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.**

## **Freshers' 'week'**

New students arriving in September are eased gently into university life over ten days before the rest of the students return. 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 great support network of staff to help you with whatever questions, worries or problems you have, including:

### *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 support team can help if you are feeling anxious or depressed, experiencing personal or emotional problems that are affecting your mental health. You can have a confidential chat with our BACP registered counsellor or mental health and wellbeing advisor.

## **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), Disability Support Allowance (DSA) or other funding.

## **Healthcare**

A GP offers daily appointments in our campus clinic. A nurse is also available every Wednesday afternoon. Out of hours care can be sourced through the ShropDoc advisory service or NHS 111. There are also walk-in surgeries in the local area.

## **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 in Faccenda and there are places of worship for most faiths and religions in the local area.

## **Student wardens**

As well as two full-time Student Services staff who live on campus, each hall of residence 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 learner support 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 senior 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 who don't speak English as their first language.

**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 club organises days out and social events on campus.

Requirements for all courses can be found online at:

— [harper.ac.uk/entry](http://harper.ac.uk/entry)  
— [ucas.com](http://ucas.com)

All undergraduate students, both UK-based 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**

## Undergraduate students

### Application deadlines

For courses beginning in 2018 you can apply after 1st September 2017 until 30th June 2018 or later if spaces are available. However, to be in with the best chance, we recommend you apply as soon as possible, preferably by 15th January 2018.

### Part-time degrees

Applicants for our part-time veterinary nursing degree and diploma should apply directly to the university:

+44 (0) 1952 815000

### 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.

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.

### Work experience

If you want to study agriculture, veterinary nursing or veterinary physiotherapy and you will need a certain amount of practical work experience. Find out how much you need on page 95.

### Interviews

All suitable applicants will be invited to the campus for an applicant afternoon. Some courses will conduct interviews during these sessions whereas others will make applicants an offer based purely on their application. These are relaxed and are as much for you to ask us questions and visit the campus. You're welcome to bring along guests too.

## International students

### Visa information

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](http://gov.uk/tier-4-general-visa)

### Immigration advice

Please call Kai Ma, Student Services, for advice on immigration.  
+44 (0) 1952 815104

### Applications

All international undergraduates are required to apply through UCAS in the normal way. Those who are potentially suitable will be required to have an interview via an online web-based system such as Skype.

### Advice and support

If you're unsure about anything to do with entry requirements and applications, we're here to help.  
+44 (0)1952 815000  
[admissions@harper-adams.ac.uk](mailto:admissions@harper-adams.ac.uk)

## Taught postgraduate students

Applications for taught postgraduate courses are not made through UCAS. Apply directly to Harper Adams here: [harper.ac.uk/pg-app](http://harper.ac.uk/pg-app)

# Entry requirements

## Undergraduate

### Qualifications and work experience

We accept A-Levels, BTEC, City & Guilds diplomas, Scottish Highers, Irish Leaving Certificate, the Welsh Baccalaureate, International Baccalaureate, and many others.

### Mature students

If you are aged 21 or over and don't have formal qualifications call us for a chat – you may be considered if you have relevant work experience, and we believe you will cope with the academic demands of a degree course.

### Minimum age

Applicants for September 2018 entry must turn 18 no later than 1st May 2019.

### English language requirements

If English is not your first language we'll ask you to show us that your standard of English is high enough to cope with the demands of our courses. We accept IELTS and Trinity College London language tests. All successful applicants must meet at least the UKVI requirement of level B2.

## Taught postgraduate

We judge all candidates on their individual merits, but the minimum requirement for postgraduate courses is usually an honours degree (at least a 2:2 or equivalent) or HND with experience or equivalent. These requirements may be relaxed in respect of cognate degrees or for non-graduates with extensive, relevant professional experience (which demonstrates the outcomes that a bachelor's honours degree would have). [harper.ac.uk](http://harper.ac.uk)

## Work experience

### Access to Agriculture

To study agriculture you'll need at least ten weeks work experience on a commercial farm by 1st August in the year in which you apply. If you're struggling to achieve this we can 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.

[harper.ac.uk/a2a](http://harper.ac.uk/a2a)

### 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.

### Rural Estate, Property and Land 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.

[harper.ac.uk/workexp](http://harper.ac.uk/workexp)

No other courses have compulsory 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/workexp](http://harper.ac.uk/workexp)

## Fees

### Tuition fees

2017/18 fees for a full-time degree were:

- UK/EU students: £9,250 per year (placement year £1,850)
- International students: £10,200 per year (placement year: £3,100)

*Fees for 2018/19 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 earning over £21,000 a year (this applies to English students – different rates may apply elsewhere).
- You'll pay back 9p for every pound you earn over £21,000. So if you earn £25,000 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 Northern Ireland is £17,775 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](http://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](http://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

#### Budgeting

- English students: [studentcalculator.org](http://studentcalculator.org)
- Welsh students: [studentfinancewales.co.uk/calculator](http://studentfinancewales.co.uk/calculator)
- Northern Irish students: [tinyurl.com/NIcalculator](http://tinyurl.com/NIcalculator)
- International students: [international.studentcalculator.org](http://international.studentcalculator.org)
- The Complete University's guide to funding your living costs: [tinyurl.com/livcost18](http://tinyurl.com/livcost18)

### Student Finance

- England: [gov.uk/student-finance](http://gov.uk/student-finance)
- EIRE: [studentfinance.ie](http://studentfinance.ie)
- Northern Ireland: [studentfinanceneni.co.uk](http://studentfinanceneni.co.uk)
- Scotland: [saas.gov.uk](http://saas.gov.uk)
- Wales: [studentfinancewales.co.uk](http://studentfinancewales.co.uk)

### Money advice

- Money Advice Service: [moneyadviceservice.org.uk](http://moneyadviceservice.org.uk)
- Money Saving Expert: [tinyurl.com/mse-info](http://tinyurl.com/mse-info)

## Funding

### Scholarships

Our strong links with business have produced some really exciting scholarships, provided by companies such as Claas, Syngenta and Rabobank/M&S. Winning a scholarship can mean help with your tuition fees, a bursary, placement with the awarding company, or other support. £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/schol](http://harper.ac.uk/schol)

### 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 over £21,000.

## 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 vacation times.

### External funding

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

- British Council: [educationuk.org](http://educationuk.org)
- Scholarship Search: [scholarship-search.org.uk](http://scholarship-search.org.uk)
- UK Council for International Student Affairs: [ukcisa.org.uk](http://ukcisa.org.uk)

**Finance information provided applies to undergraduate students. For details of postgraduate finance visit:**

— [harper.ac.uk/pgfinance](http://harper.ac.uk/pgfinance)

**All information was correct at the time of print, February 2017. For the latest details visit:**

— [harper.ac.uk/money](http://harper.ac.uk/money)

There are lots of ways to discover Harper Adams and find out what makes our students some of the happiest in the land.

### 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.  
*9th – 10th 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](http://ucas.com/news-events/events)

### Shows and events

You'll find us at lots of agricultural, county and technical shows in 2017, 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:

[schoolsliason@harper-adams.ac.uk](mailto:schoolsliason@harper-adams.ac.uk)  
[harper.ac.uk/bookavisit](http://harper.ac.uk/bookavisit)  
*+44 (0)1952 815044*

### Open Days

- 13th May
- 9th July
- 21st August
- 14th October
- 18th November
- 16th December





**HALLS OF RESIDENCE**

- 1 Princess Royal
- 2 Leverhulme & Jerman
- 3 Harris
- 4 Ward
- 5 Gloucester
- 6 Bradford
- 7 Boughey
- 8 Darby, Jebb, Silcock & Darwin
- 9 Flatt Road, Newtown & Poultry Drive

**MAIN BUILDINGS/TEACHING**

- 10 Main Building (Reception)
- 11 Aspire Centre (Short Courses & Conferences Reception)
- 12 North West Building
- 13 Skills Training Centre
- 14 Regional Food Academy
- 15 Weston Building
- 16 Postgraduate & Professional Development Centre
- 17 Jubilee Adams
- 18 Agricultural Engineering Innovation Centre
- 19 Applied Engineering Facilities
- 20 Princess Margaret Building (Science Laboratories)
- 21 Elizabeth Creak Building (Laboratories)
- 22 Foulkes Crowther Building (TG/TF)
- 23 Bamford Library and Engineering Design Centre
- 24 Facenda (Student Centre)
- 25 Queen Mother Hall (QMH)

**26 Veterinary Services Centre**

- 27 Jean Jackson Entomology Building
- 28 Companion Animal House
- 29 Teaching Laboratory
- 30 A-Block Teaching Rooms
- 31 B-Block Teaching Rooms
- 32 Frank Parkinson Farm Education Centre / Frontier Crops Centre

**SPORTS AND LEISURE**

- 33 All-weather Sports Pitch
- 34 Main Rugby Pitch
- 35 Rugby/Gaelic Football Pitch
- 36 Rugby/Training Pitch
- 37 Harris Football Pitch
- 38 Barnyard Football Pitches
- 39 Main Bar and Welly Inn
- 40 Sports Hall
- 41 Multi-gym
- 42 Squash Courts
- 43 Outdoor Swimming Pool
- 44 Multi-use Games Area MUGA
- 45 Cricket Pitch
- 46 Bowling Green

**FARM**

- 47 Farm Seminar Room
- 48 Pig Unit
- 49 Beef and Sheep Unit
- 50 Dairy Calf Hutches
- 51 Dairy Unit
- 52 Farm Records and Information
- 53 Youngstock Building
- 54 Commercial Poultry

**OTHER FACILITIES**

- 55 Poultry Research
- 56 C-Block (Linden Hall GP Surgery)
- 57 D-Block
- 58 Crop & Environment Research Centre (CERC)
- 59 Jean Jackson Glasshouse
- 60 Estates Department
- 61 Laundry Building
- 62 Porters' Lodge
- 63 Pyroformer CHP Unit
- 64 Off-Road Demonstration Track
- 65 Dairy Crest Innovation Centre
- 66 Agri-tech Innovation Hub

# Terms & Conditions

All students are subject to Harper Adams University's terms and conditions, which can be seen at [harper.ac.uk/tandc18](http://harper.ac.uk/tandc18)

## **Equality and diversity**

We are committed to equality and diversity. Find out more at [harper.ac.uk/equal18](http://harper.ac.uk/equal18)

## **Disclaimer**

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**Open days 2017**

13th May

9th July

21st August

14th October

18th November

16th December

**Two-day Harper  
Adams Experience**

9th – 10th July



[facebook.com/harperadams](https://facebook.com/harperadams)  
[twitter.com/harperadamsuni](https://twitter.com/harperadamsuni)  
[instagram.com/harperadamsuni](https://instagram.com/harperadamsuni)  
[linkedin/harperadamsuniversity](https://linkedin.com/harperadamsuniversity)



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