

## Programme Information Sheet

### BSc (Hons) Equine Science

Full-Time (3 years)

**Programme Title:** BSc (Hons) Equine Science

**Awarding Body:** Royal Agricultural University

**Location of Study:** Bishop Burton College, Beverley

#### Programme Aims

This broad-based equine science course provides an in-depth specialist understanding of the horse through study of the applied scientific principles and practice of horse management. The programme seeks to provide a stimulating and challenging experience for students wishing to gain scientific knowledge alongside valuable practical experience in order to promote the health, welfare and performance of the equine athlete. Graduates will be equipped with a range of scientific knowledge and skills that will allow them to enter a wide variety of scientific and technological based careers both within the equine industry and wider areas, in a national and international context.

#### Modules

- Year 1: Modules introduce the student to biology of the horse in Equine Anatomy and Physiology, Equine Health and Husbandry and Applied Equine Anatomy. Students develop their scientific knowledge and skills in Fundamentals of Science and Cell Biology, applying scientific principles to the horse in Equine Nutrition and Equine Evolution & Development. Students are prepared for study with modules in Academic and Research skills.
- Year 2: Subjects develop on the first year incorporating valuable topics such as Equine Exercise Physiology and Equine Behaviour & Welfare. Students complete specialised modules to support working in the equine science industry including Cellular Processes, Equine Reproduction and Equine Disease. Valuable transferable skills are gained in Entrepreneurship and Equine Resource Technology and Research Methods and Analysis.
- Year 3: Students undertake an independent research module to produce a Dissertation in their final year of study on a topic of their choice. Students undertake a range of modules including Equine Sport Injury & Diagnostics, Immunology, Genetics & Molecular Biology. Students can elect to study either Advanced Equine Nutrition or Applied Equine Biomechanics.

## Programme Structure

Level 4		Level 5		Level 6	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
Academic & Research Skills (20)		Research Methods & Analysis (20)		Dissertation (40)	
Health and Husbandry (10)	Applied Equine Anatomy (10)	Equine Exercise Physiology (20)		Equine Sport Injury & Diagnostics (20)	
Equine Anatomy & Physiology (20)		Entrepreneurship and Resource Technology (20)		Immunology (20)	Genetics & Molecular Biology (20)
Equine Evolution & Development (20)	Equine Nutrition (20)	Equine Disease (10)	Cellular Processes (10)		
Fundamentals of Science (10)	Cell Biology (10)	Equine Behaviour & Welfare (20)	Equine Reproduction (20)	Applied Equine Biomechanics (20) or Advanced Equine Nutrition (20)	

## Timetables

The programme is structured over two 15 week semesters commencing in September 2018, including a final assessment week. The units of learning are arranged in modules of 10 or 20 credit value (equivalent to 100/200 hours of study) with a 40 credit independent study Dissertation module in the final year of the programme. A full-time schedule allows students to study 120 credits at each level/ academic year.

Scheduled contact time is approximately 13 hours a week to include lectures, seminars, practical sessions and academic development sessions, usually over 3 working days from 9am (evening teaching may be included at times until 8pm). Wednesday afternoons are reserved for sport and other extra-curricular activities.

Students are also expected to carry out a significant amount of private study (at least 25-30 hours a week) in addition to timetabled hours. Independent study includes reading around the subject, preparing for tutorials and seminars, preparing for, and completing, module assessments and revision for examinations; forming an essential part of a student's learning journey.

Timetables are provided during enrolment onto the programme.

Timetables	Scheduled contact (classroom) (%)	Placement (%)	Independent (%)
Year 1	30	0	70
Year 2	30	0	70
Year 3	21	0	79

### Assessment Method

Assessment includes; written assignments, practical demonstrations, portfolios, scientific reports, group or individual presentations and examinations. Many of the modules contain a mixture of assessment types, with a few modules including one type of assessment. Students are provided with formative assessment opportunities prior to submission of summative assessments.

Assessments	Written Examination (%)	Practical Examination (%)	Coursework (%)
Year 1	15	18	67
Year 2	33	0	67
Year 3	25	3	72

### Facilities, Resources and Equipment

- ✓ Excellent equine facilities including Bishop Burton Arena, Therapy Centre with Water Treadmill, CET Equine Spa, Solarium and Zamar, Rider Fitness & Performance suite, 2 indoor arenas, 3 outdoor arenas, stabling for over 100 horses.
- ✓ Commercial equine centre hosts extensive range of competitions, demonstrations and clinics, and is a BHS training and examination centre.
- ✓ Additional facilities include Science Centre, IT suites, HE learning resource centre and brand new learning resource centre
- ✓ Online Virtual Learning Environment (VLE) used to enhance and facilitate teaching and independent learning on all programmes.
- ✓ Guest lectures and demonstrations from a range of visiting speakers.
- ✓ Experienced staff with both academic and industrial experience.
- ✓ Use of specialist equipment including Quintic Gait Analysis software, FLIR Thermal Imaging cameras, Polar Heart Monitors, Telerein Rein Tension Gauges, Noldus Observe XP software and extensive laboratory based equipment.
- ✓ Student project laboratory dedicated to science research and investigations.



## Support

- ◆ A dedicated Health & Welfare Officer to provide pastoral care, emotional support and refer students for counseling if applicable.
- ◆ A Disability Officer based in the LRC to co-ordinate study skills tutors and assessment for DSA entitlements
- ◆ Access to Student Services team, offering support and guidance on financial issues and hardship funds

## Entry Qualifications

A Levels:	80 UCAS points
Extended Diploma:	MMP
Access to HE:	Merit

All applicants need an **appropriate academic / employment reference**. Mature applicants with life experience will also be considered subject to the completion of an admissions assignment. International students will be required to have IELTS Level 6.

## Application Information

Through UCAS:	<a href="http://www.ucas.com">www.ucas.com</a>
College Code:	BISH B37
Course Code:	D428

## Programme fees and associated costs

Programme tuition fees for 2018 entry are £9000 per year for UK students. Students will need to buy a white college laboratory coat for laboratory practical's available via the college online shop. Practical yard equipment required includes; riding hat (PAS015), gloves, boots, dark trousers/ jodhpurs, coat, grooming kit and body protector (BETA level 3 2009 – purple label standard) for ridden modules. Students will need to purchase stationary, text books, additional qualifications and transport to and from college. Trips and short courses may also be offered at extra cost.

Bishop Burton College offers an Employability Bursary, students enrolled on programme can apply for support with their employability for up to £300, and this can aid completion of industry relevant qualifications alongside the main degree programme of study.

## Graduate Careers and Opportunities

Students can gain positions within the wide area of the application of equine science to horse health, disease diagnosis and equine management to include laboratory work in veterinary related areas. Many students choose to complete a post-graduate qualification such as a masters degree, to extend their knowledge of equine science or focus on an area of specialist scientific knowledge. Students may find employment in a veterinary diagnostic laboratory, equine product development and sales or as equine nutritionists. Positions as lecturers and researchers are also possible, after obtaining relevant post-graduate qualification.

## Contact

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