

Programme Information Sheet

BSc (Hons) Equine Health and Nutrition

Full-Time (3 years)

Programme Title: BSc (Hons) Equine Health and Nutrition

Awarding Body: Royal Agricultural University

Location of Study: Riseholme College, Lincoln

Contact

Programme Leader: Tracy Bye

Email: tracy.bye@bishopburton.ac.uk

Programme Aims

This programme provides an in-depth specialist understanding of the wellbeing of the horse through study of the principles underpinning equine health and nutritional management. This programme seeks to provide a stimulating and challenging experience for students wishing to gain scientific knowledge alongside valuable laboratory practical experience in order to promote the health, welfare and optimise nutrition of the equine athlete.

Modules

- Year 1:** Modules introduce the student to core equine topics including Equine Anatomy and Physiology and Equine Health and Husbandry as well as essential science underpinning in Fundamentals of Science and Cell Biology. Student gain essential nutrition understanding with Introduction to Nutrition and Grassland Management and Forage Conservation modules and prepared for study with modules in Academic & Research Skills.
- Year 2:** Subjects develop on the first year incorporating valuable topics such as Equine Disease, Equine Exercise Physiology and Microbiology. Students complete specialised modules to support working in the nutritional fields including Equine Ration Formulation, The Nutrition Industry and Equine Micro-nutrition. Valuable transferable skills are gained in Research Methods & 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 Clinical Nutrition, Immunology, Advanced Nutritional Biochemistry and Equine Sport Injury & Diagnosis.

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)	
Introduction to Nutrition (20)		Equine Ration Formulation (20)		Equine Clinical Nutrition (20)	
Grassland Management and Forage Conservation(20)		The Nutrition Industry (20)			
Equine Anatomy & Physiology (20)		Equine Exercise Physiology (20)		Equine Sport Injury and Veterinary Diagnostics (20)	
Equine Health and Husbandry (10)	Introduction to Sales and Marketing (10)	Equine Micro-nutrition (20)		Immunology (20)	Advanced Nutritional Biochemistry (20)
Fundamentals of Science (10)	Cell Biology (10)	Equine Disease (10)	Microbiology (10)		

Timetables

The programme is structured over two 15 week semesters commencing in September 2019, 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, 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	17	8	75
Year 2	17	18	65
Year 3	8	8	84

Facilities, Resources and Equipment

- ✓ Delivered at the new Riseholme College Showground Campus, which includes a brand new Learning Resource Centre, Animal Management facility and science laboratories.
- ✓ Excellent brand new teaching facilities include Agri-Tech Health & Nutrition Centre with specialist laboratories and state of the art equipment to support students in exploring the various aspects of nutritional science
- ✓ 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 and Teletet ECG, Telerein Rein Tension Gauges and Avansce Synchronicity System, Prodplus Pressure Algometer, Noldus Observer XP software and extensive laboratory based equipment.
- ✓ Use of the excellent equine facilities at Bishop Burton Campus in year one and two practical modules 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.



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

- ✓ Applicants will have a minimum of 104 UCAS points and GCSE English Language at grade C/4 or equivalent.
- ✓ The successful completion of an entry task may be required when considering applications without the required formal entry qualifications.
- ✓ If first language is not English, or a Tier 4 student visa to study is required and GCSE grade C English or equivalent is not held, English language proficiency level such as International English Language Testing System (IELTS) 6.0 overall (with a minimum 5.5 in each skill) will need evidencing.
- ✓ Students with an appropriate HNC can apply for direct entry to Year 2. Students with an appropriate HND/FdSc can apply for direct entry to Year 3.
- ✓ All applicants need an appropriate academic reference.

Application Information

Through UCAS: www.ucas.com
Course Code: D4R7
Institution Code: B37
Campus Name: Riseholme College
Campus Code: R

Programme fees and associated costs

For up to date information on tuition fees please visit <https://www.bishopburton.ac.uk/student-life/student-support/degree-finance>

For support with student finance please visit www.gov.uk/student-finance

Students will need to buy a white college laboratory coat for laboratory practicals 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. On successful completion of the programme, students have the opportunity to graduate at a ceremony wearing formal dress. The hire of the formal dress is an additional 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

Graduates will be able to gain positions within equine and animal feed companies, in roles including product development, sales administrators and area sales managers. There are also opportunities with animal health companies or within larger veterinary centres providing laboratory services. Students may choose to complete a post-graduate qualification such as a Masters' degree or Doctorate, to extend their knowledge of health or nutritional science.