1893 Writtle University College

UNDERGRADUATE BIOVETERINARY SCIENCE PROGRAMMES 2020

agenda life sciences

DID YOU KNOW? YOU WILL GAIN PROFESSIONAL SKILLS IN RESEARCH, INVESTIGATION AND ADVANCED PRACTICE, WHICH WILL EQUIP YOU FOR A HIGH LEVEL CAREER IN THAT FIELD.

FEELING INSPIRED?

Animal health science is a fascinating area of study and when you study Bioveterinary Science with us, you will enhance your knowledge of the diagnosis, prevention and management of health issues within different animals

Top Reasons to study Bioveterinary Science at Writtle University College:

1. You will be taught by a range of skilled scientists and clinicians with extensive experience of animal disease and research.

2. You will have the opportunity to complete professional training and development courses throughout your degree, funded by the University College, to enhance your employability.

3. During the first year of study students become a Student Member of the Royal Society of Biology and, upon graduation, will be upgraded to Associate Member, entitling you to use the AMRSB postnominals.

4. Our students have the opportunity to undertake an industrial work experience placement in year three and will undertake an independent research project in year four.

We hope this guide gives you all the information you need, but please do not hesitate to contact our admissions team if you have any questions about applying to study here, want an update on the status of your application, or have a query about what you need to do next.

T: 01245 424200
E admissions@writtle.ac.uk

www.writtle.ac.uk/UG-Bioveterinary-Science

MSCI BIOVETERINARY SCIENCE

UCAS CODE: C311

Writtle University College

www.writtle.ac.uk/UG-Bioveterinary-Science

ABOUT THE COURSE

The four-year Integrated Masters in Bioveterinary Science is a multidisciplinary science degree which allows you to study animal health in an industry relevant context up to Master's level. The MSci is designed for students who are interested in a career in research and/or advanced professional practice , so in addition to providing a broad knowledge in each of the subjects studied combined with relevant work experience, students gain professional skills in research, investigation and advanced practice which will equip them for a high level career in that field.

ASSESSMENT METHODS

Knowledge and understanding is assessed mainly via examination and coursework. The following list shows the variety of assessment methods experienced on this course.

- **Presentations**
- **Discussions**
- **Coursework**
- **Reports**
- **Examinations**
- **Dissertation**

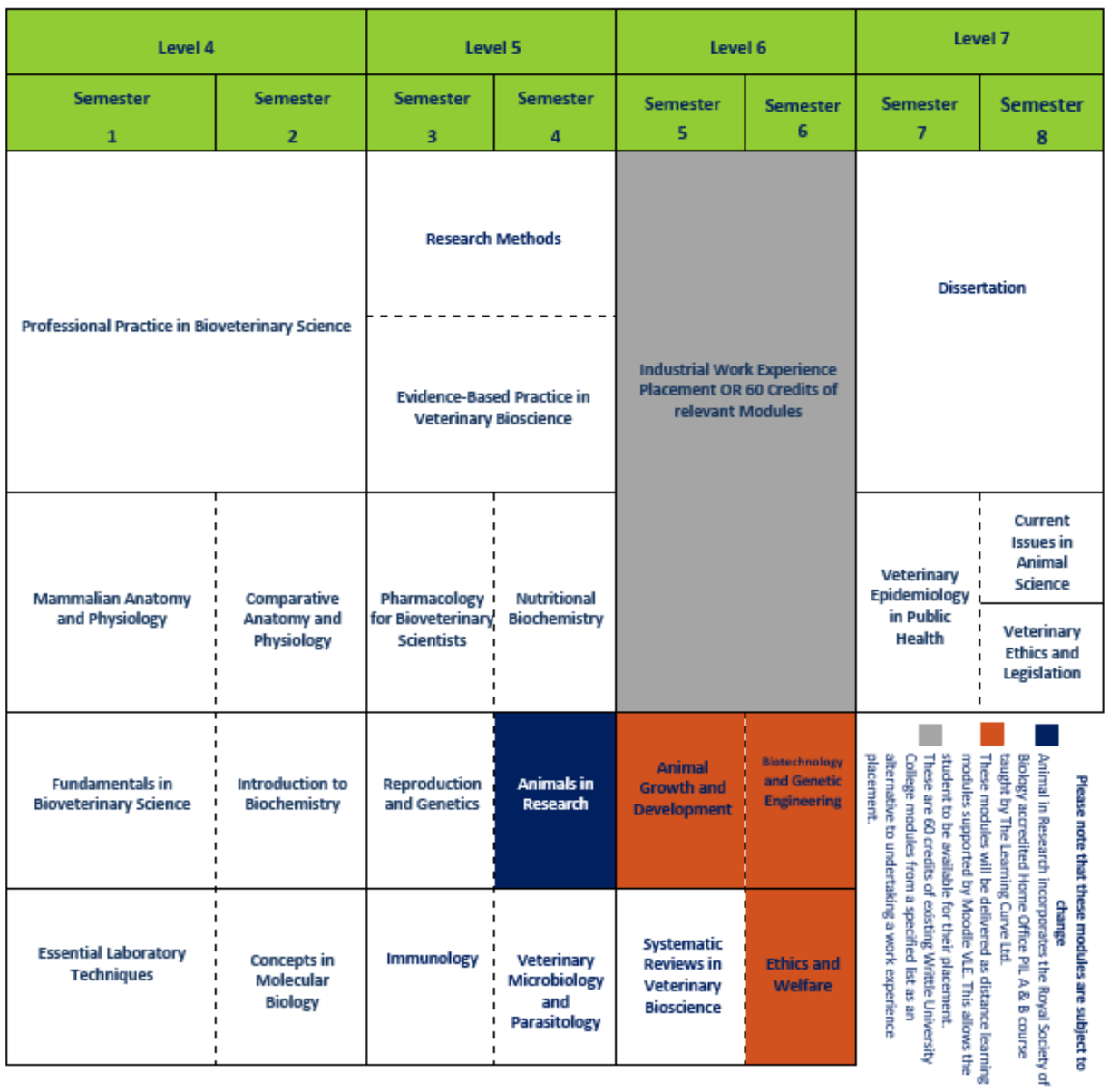
ENTRY REQUIREMENTS

- **UCAS Tarrif points: 128**
- **All applicants must hold a minimum of four GCSE passes at grade C/4 or above to include English, Maths and Science.**
- **For a full list of entry requirements depending on what qualification you hold please visit our website.**

agenda life sciences

Agenda Resource Management, which specialises in placing highly competent, security-cleared facility managers and directors, animal technicians and support staff within organisations in the UK and Europe, helps arrange work placements for students as part of our Bioveterinary Science programmes.

COURSE MODULES



BSC HONS BIOVETERINARY SCIENCE

UCAS CODE: C310

1893 Writtle University College

www.writtle.ac.uk/UG-Bioveterinary-Science

ABOUT THE COURSE

The BSc (Hons) Bioveterinary Science is a multidisciplinary science degree which allows you to study animal health in an industry relevant context. The award is designed for students who are interested in a career in animal health and animal bioscience. In addition to providing a broad knowledge in each of the subjects studied combined with relevant work experience, students gain valuable insight in research which will equip them for an exciting career in animal health science. The programme is a unique blend of the biological sciences relating to animals, the way they work, their health, their diseases and their relationships with humans.

ASSESSMENT METHODS

Knowledge and understanding is assessed mainly via examination and coursework. The following list shows the variety of assessment methods experienced on this course.

- **Presentations**
- **Discussions**
- **Coursework**
- **Reports**
- **Examinations**
- **Dissertation**

ENTRY REQUIREMENTS

- **UCAS Tarrif points: 96**
- **All applicants must hold a minimum of four GCSE passes at grade C/4 or above to include English, Maths and Science.**
- **For a full list of entry requirements depending on what qualification you hold please visit our website.**

agenda life sciences

Agenda Resource Management, which specialises in placing highly competent, security-cleared facility managers and directors, animal technicians and support staff within organisations in the UK and Europe, helps arrange work placements for students as part of our Bioveterinary Science programmes.

COURSE MODULES

Level 4		Level 5		Level 6	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Professional Practice in Bioveterinary Science		Research Methods (BV) / Evidence-Based Practice in Veterinary Bioscience		Industrial Work Experience Placement OR 60 Credits of relevant Modules	
Mammalian Anatomy and Physiology	Comparative Anatomy and Physiology	Pharmacology for Bioveterinary Scientists	Nutritional Biochemistry		
Fundamentals in Bioveterinary Science	Introduction to Biochemistry	Reproduction and Genetics	Animals in Research	Animal Growth and Development	Biotechnology and Genetic Engineering
Essential Laboratory Techniques	Concepts in Molecular Biology	Immunology	Veterinary Microbiology and Parasitology	Systematic Reviews in Veterinary Bioscience	Ethics and Welfare

Please note that these modules are subject to change

Animals in Research incorporates the Royal Society of Biology accredited Home Office PIL A & B course taught by The Learning Curve Ltd.

These modules will be delivered as distance learning modules supported by Moodle VLE. This allows the student to be available for their placement.

These are 60 credits of existing Writtle University College modules from a specified list as an alternative to undertaking a work experience placement.

CERTIFICATE OF HIGHER EDUCATION IN ANIMAL BIOSCIENCE

UCAS CODE: C312

1893 Writtle University College

www.writtle.ac.uk/UG-Bioveterinary-Science

ABOUT THE COURSE

he CertHE Animal Bioscience is an introduction to the biological sciences relating to animals, the way they work, their health, their diseases and their relationships with humans. Students will be taught by a range of skilled scientists and clinicians with extensive experience of animal disease and research. We will cover a wide variety of introductory topics in animal biology, management and disease that is likely to be of interest to the student.

ENTRY REQUIREMENTS

- **UCAS Tarrif points: 48**
- **All applicants must hold a minimum of four GCSE passes at grade C/4 or above to include English, Maths and Science.**
- **For a full list of entry requirements depending on what qualification you hold please visit our website.**

agenda life sciences

Agenda Resource Management, which specialises in placing highly competent, security-cleared facility managers and directors, animal technicians and support staff within organisations in the UK and Europe, helps arrange work placements for students as part of our Bioveterinary Science programmes.

ASSESSMENT METHODS

Knowledge and understanding is assessed mainly via examination and coursework. The following list shows the variety of assessment methods experienced on this course.

- **Presentations**
- **Discussions**
- **Coursework**
- **Reports**

COURSE MODULES

Level 4	
Semester 1	Semester 2
Professional Practice in Bioveterinary Science	
Mammalian Anatomy and Physiology	Comparative Anatomy and Physiology
Fundamentals in Bioveterinary Science	Introduction to Biochemistry
Essentials Laboratory Techniques	Concepts in Molecular Biology

WHAT CAN I DO AFTER THIS?

ALTERNATIVELY, STUDENTS HAVE THE OPTION TO UNDERTAKE FURTHER STUDY: AFTER THE CERTHE IN ANIMAL BIOSCIENCE STUDENTS ARE PREPARED FOR FURTHER UNDERGRADUATE STUDY, SUCH AS THE BSC (HONS) BIOVETERINARY SCIENCE AT WRITTLE, OR SIMILAR COURSES ELSEWHERE. SUCCESSFUL COMPLETION OF THE AWARD WILL ALLOW STUDENTS TO ENROL IN YEAR 2 OF THE BSC (HONS) BIOVETERINARY SCIENCE AT WRITTLE.

POTENTIAL CAREER PROSPECTS:

- Animal Health and Welfare Research
- Animal-related Policy Development
- Pharmaceutical Industry
- Livestock Industry
- Government and Civil Service
- Medical Research Sector
- Education and Training
- Publishing and Science communication
- Veterinary Surgeon (after further study)
- Entrepreneur

agenda life sciences

EQUIPMENT AND MATERIAL LIST

We are looking forward to welcoming you onto your Bioveterinary Science course at Writtle University College. The following are essential materials for the Bioveterinary Science courses at Writtle University College:

White lab coat
Lab coats can be ordered through the University College during induction week where there will be an opportunity to try various sizes before placing your order. Alternatively, you can bring your own if you prefer or already own one.

Scientific calculator
We prefer the Casio Scientific FX83/FX85 or similar. These should be available at most book stores, bigger supermarkets or online.

READING

There is no requirement to purchase textbooks as all core reading material is available from the Writtle University College library. However, should you wish to purchase textbooks, the following book will be very useful for the duration of your course:

Making Sense in the Life Sciences: a student's guide to writing and research (2nd edition)
Margot Northey and Patrick von Aderkas
Oxford University Press
ISBN: 978-0-19-901028-8

www.writtle.ac.uk/UG-Bioveterinary-Science