

# Zoology

 MBiol

## COURSE DETAILS

- A level requirements: [AAB](#)
- UCAS code: C303
- Study mode: Full-time
- Length: 4 years

## KEY DATES

- Apply by: [31 January 2024](#)
- Starts: 23 September 2024

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## Course overview

A Zoology degree can provide you with the knowledge and training not only for a job working as a zoologist but also equips you for a career in the environmental, agricultural and pharmaceutical industries.

## INTRODUCTION

The Master of Zoology (MBiol) is a four-year programme, in which students first follow the three-year BSc in Zoology and then continue into a fourth year, subject to performance.

In the first three years, you'll study a broad range of modules including animal behaviour, conservation biology, ecology, evolution, and animal physiology with the opportunity to specialise and carry out your own research project.

The fourth (Master's) year aims at developing enhanced research and personal skills for students seeking a high-level career in research (e. g. studying for a PhD or working in industry) or those seeking to enhance their qualification. Students will join a research team to undertake a significant research project. Students can also apply for a six-week summer research internship in the UK or overseas or apply to spend time working in industry or in other enterprises in the final year.

## WHAT YOU'LL LEARN

- Develop field skills in zoologically rich locations in a wide range of habitats
- Learn about the ecology of populations and the diversity of ecosystems
- Understand the evolution of behavioural patterns and their contribution to survival, success, and fitness
- Understand current approaches to conservation and the management of species and ecosystems

- Become literate in finding, interpreting, evaluating and managing information
  - Communicate ideas effectively to a variety of audiences
  - Work independently and collaboratively
  - Develop critical thinking and problem-solving skills
  - Use lab equipment correctly and safely
  - Plan, initiate, and carry out projects
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# Course content

Discover what you'll learn, what you'll study, and how you'll be taught and assessed.

## YEAR ONE

In this first year, you'll gain an understanding of core concepts of biology as well as the fundamental principles of immunity, infection, and therapy. You will also study how organisms develop and function and learn about ecology and the global environment. You will develop practical skills and participate in field studies, and you will discover how to utilise quantitative skills and study techniques.

### COMPULSORY MODULES

- Biology core concepts, principles, and fundamentals BIOS101
- Development, function, immunity, infection, and therapeutics BIOS102
- Introductory Practical Skills for Life Sciences BIOS103
- From Individuals to Ecosystem BIOS104
- Study and Communication Skills Tutorials BIOS105
- Applied Practical Research Skills for Life Sciences BIOS106

*Programme details and modules listed are illustrative only and subject to change.*

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## YEAR TWO

In your second year you'll expand your range of knowledge building those essential research skills, experimental design and analysis together with professional skills preparing you for a career within or outside the area of zoology. You will study animal behaviour and physiology, and explore the relationship between hosts and parasites. In addition, you will have optional modules enabling you to follow your interest in animal husbandry or marine ecology.

### COMPULSORY MODULES

- Genetics, Microbiology & Infection BIOS201
- Intermediary Practical Research Skills for Life Sciences BIOS203
- Academic & professional skills tutorials BIOS205
- Animal Behaviour BIOS207
- Practical Skills in Evolution, Ecology and Behaviour BIOS208
- Parasites, Pathogens and Hosts BIOS211
- Animal Ecophysiology BIOS222

### OPTIONAL MODULES (CHOOSE ONE)

- Animal Anatomy, Physiology & Husbandry BIOS220
- Marine Ecophysiology, Ecology and Exploitation ENV251

*Programme details and modules listed are illustrative only and subject to change.*

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## **YEAR THREE**

Year three will provide an unparalleled opportunity for you to learn at the cutting edge of zoological research and be taught by world-leading academics in the subjects of ecology, evolution, and conservation biology. You will also develop advanced field skills and you will have the opportunity to take a physical or virtual placement. Central to this year is the research project where you will plan and execute your own research, analyse and critically evaluate data and communicate your research findings in your chosen specialisation.

### COMPULSORY MODULES

- Research Project BIOS301
- Introduction to the World of Work BIOS302
- Research Methods BIOS303
- Applied Conservation Biology BIOS318
- Advanced Ecology for a Sustainable Future BIOS325
- Advanced Topics in Evolutionary Biology BIOS327
- Zoology Field Course BIOS333

*Programme details and modules listed are illustrative only and subject to change.*

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## **YEAR FOUR**

The fourth year of study offers great flexibility – students may spend it entirely on campus at Liverpool, but more commonly they take up opportunities to broaden their experiences, for example a six-week research internship in the UK (in hospitals, industry or research institutes) or abroad (in our partner universities in Thailand or China). Others may elect to spend the entire fourth year on placement, in similar host institutions. Students will take core modules in research methods and statistics or informatics, together with a 60-credit research project. Students may replace the internship with other modules that cover advanced topics of global importance.

### COMPULSORY MODULES

- Research Project LIFE700
- Research Methods LIFE731

### OPTIONAL MODULES (CHOOSE ONE)

- Advanced Statistics for Biological Research LIFE707
- Informatics for Life Sciences LIFE721

OPTIONAL MODULES (Students choose either the research internship, or two of the remaining modules)

- Research Internship LIFE701
- Evolution and Behaviour LIFE709
- Coding for Life Sciences LIFE733
- Cellular Biotechnology and Biological Imaging LIFE749
- Emerging Infections and Pandemic LIFE751

- Computational Biology LIFE752
- Proteomics, Metabolomics and Data Analysis LIFE754
- Analysing Climate processes and variability ENVS475
- Advanced Conservation Biology ENVS423

*Programme details and modules listed are illustrative only and subject to change.*

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## **HOW YOU'LL LEARN**

You'll learn through a balanced mix of lectures, workshops, field work, seminars and tutorials as well as hands-on, practical laboratory sessions, working individually and in small groups.

## **HOW YOU'RE ASSESSED**

Assessed work including essays, presentations, group work, qualitative and experimental reports together with examination results from years one, two, three contributing to your final degree classification.

## **LIVERPOOL HALLMARKS**

We have a distinctive approach to education, the Liverpool Curriculum Framework, which focuses on research-connected teaching, active learning, and authentic assessment to ensure our students graduate as digitally fluent and confident global citizens.

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# Careers and employability

Employability is embedded into the Zoology MBIoSci programme and can be the necessary stepping stone into a successful career in many sectors such as government agencies, animal charities and welfare groups, wildlife parks and conservation projects. Alternatively you may choose to opt to study for a PhD in Veterinary Science.

Recent employers include:

- AstraZeneca
- BBC
- Chester Zoo
- Home Affairs and Security
- Royal Society of Biology
- The Environment Agency

**4 IN 5** LIFE SCIENCES STUDENTS FIND THEIR MAIN ACTIVITY AFTER GRADUATION MEANINGFUL.

*Graduate Outcomes, 2018-19.*

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# Fees and funding

Your tuition fees, funding your studies, and other costs to consider.

## TUITION FEES

<b>UK fees (applies to Channel Islands, Isle of Man and Republic of Ireland)</b>	
Full-time place, per year	£9,250

<b>International fees</b>	
Full-time place, per year	£27,200

*Fees are correct for the academic year 2024/25*

Tuition fees cover the cost of your teaching and assessment, operating facilities such as libraries, IT equipment, and access to academic and personal support. [Learn more about tuition fees, funding and student finance.](#)

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## ADDITIONAL COSTS

We understand that budgeting for your time at university is important, and we want to make sure you understand any course-related costs that are not covered by your tuition fee. This includes the costs associated with placements or internships, and the optional field course in Uganda.

Find out more about the [additional study costs](#) that may apply to this course.

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## SCHOLARSHIPS AND BURSARIES

We offer a range of scholarships and bursaries to provide tuition fee discounts and help with living expenses while at university.

Check out our [Undergraduate Global Advancement Scholarship](#). This offers a tuition fee discount of up to £5,000 for eligible students starting an undergraduate degree from September 2024. There's also [the Liverpool Bursary](#) which is worth £2,000 per year for eligible students.

[Discover our full range of undergraduate scholarships and bursaries](#)

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# Entry requirements

The qualifications and exam results you'll need to apply for this course.

Your qualification	<b>Requirements</b> <a href="#">About our typical entry requirements</a>
A levels	<p>Typical A level offer AAB</p> <p>Applicants with the Extended Project Qualification (EPQ) are eligible for a reduction in grade requirements. For this course, the offer is <b>ABB</b> with <b>A</b> in the EPQ.</p> <p>You may automatically qualify for reduced entry requirements through our <a href="#">contextual offers scheme</a>.</p>
GCSE	4/C in English and 4/C in Mathematics
Subject requirements	<p>Also accepted as a second science: Environmental Science, Mathematics, Physics, Geography, Psychology, Geology and Applied Science.</p> <p>For applicants from England, where A levels in Biology, Chemistry or Physics have been taken, we will also require a pass in the Practical Endorsement</p>
BTEC Level 3 National Extended Diploma	<p>D*D*D in Applied Science with a selection of preferred units in Biology and Chemistry, to include Distinction in Units 1 and 5 (Principles and Applications of Science I and II).</p> <p>For previous BTEC (QCF) qualification:</p> <p>D*D*D in Applied Science with a selection of preferred units in Biology and Chemistry, with at least 120 Level 3 credits at Distinction.</p> <p>Please note alternative BTEC subjects are not acceptable for this programme.</p>
BTEC Applied Science unit	<a href="#">View the BTEC Applied Science unit requirements.</a>

<b>Your qualification</b>	<b>Requirements</b> <a href="#">About our typical entry requirements</a>
requirements	
International Baccalaureate	34 points, including 6 in Higher Level Biology, and 5 in another Higher Level Subject
Irish Leaving Certificate	H1, H1, H2, H2, H3
Scottish Higher/Advanced Higher	Not accepted without Advanced Highers at grades ABB
Welsh Baccalaureate Advanced	Accepted at grade B as equivalent to a third non-science A level at grade B.
Access	45 Level 3 credits in graded units in a relevant Diploma, including 30 at Distinction and a further 15 with at least Merit. 15 Distinctions are required in each of Biology and Chemistry. GCSE Mathematics and English grade C also required.
International qualifications	Many countries have a different education system to that of the UK, meaning your qualifications may not meet our entry requirements. Completing your Foundation Certificate, such as that offered by the <a href="#">University of Liverpool International College</a> , means you're guaranteed a place on your chosen course.

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## ALTERNATIVE ENTRY REQUIREMENTS

- If your qualification isn't listed here, or you're taking a combination of qualifications, [contact us](#) for advice
- [Applications from mature students](#) are welcome.

**THE ORIGINAL**  
**REDBRICK**

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