

**DEFINITIVE COURSE RECORD**

Course Title	<b>BSc (Hons) Biological Sciences (with Professional Placement)</b>
Awarding Bodies	<b>University of Suffolk</b>
Level of Award	<b>FHEQ Level 6</b>
Professional, Statutory and Regulatory Bodies Recognition	<b>Royal Society of Biology</b>
Credit Structure	<b>Level 4: 120 Credits Level 5: 120 Credits + 120 Credits for Placement Level 6: 120 Credits</b>
Mode of Attendance	<b>Full-time</b>
Standard Length of Course	<b>4 years full-time</b>
Intended Award	<b>BSc (Hons) Biological Sciences (with professional Placement)</b>
Named Exit Awards	<b>BSc Biological Sciences DipHE Biological Sciences CertHE Biological Sciences</b>
Entry Requirements	<p><b>A minimum of 112 UCAS tariff points, or equivalent.</b></p> <p><b>For those students with A levels, at least one 'A2' level must be in a science or science related subject*, at grade 4/C or above, or equivalent qualification.</b></p> <p><b>Successful completion of a Foundation course or relevant Access to Higher Education course is also recognised as acceptable for entry onto the degree at level 4.</b></p> <p><b>In addition, students must have a minimum of five GCSE's at grade C or above (new GCSE grade 4-9 or equivalent) including English, Mathematics and Science</b></p>
Delivering Institution(s)	<b>University of Suffolk Ipswich</b>
UCAS Code	<b>C762</b>

## **DEFINITIVE COURSE RECORD**

This definitive record sets out the essential features and characteristics of the BSc (Hons) Biological Sciences (with professional Placement) course. The information provided is accurate for students entering level 4 in the 2022-23 academic year<sup>1</sup>.

### **Course Summary**

This course is a well-rounded programme in the field of biological sciences; it contains a number of options in the final years that allow you to select pathways and specialisms matched to your interest and career aspirations. The course intends to furnish you with the knowledge and skills to become an employable life science graduate in a range of areas including, but not limited to laboratory work, research, biotechnology, teaching, agriculture, bio-sustainability, human health, global health, scientific journalism, pharmacology, ecotoxicology, and sustainability; many graduates from previous iterations of this programme also go on to further study at both masters and PhD level across the world. The course covers life from viruses and microbes through to plants, animals and humans; and discusses how each of these co-exists and can be utilised and managed for the greater good. We believe that this programme generates skilled graduates that would be comfortable and competent in a wide range of jobs in the growing life science sector.

### **Course Aims**

- Enable students to develop a detailed knowledge of the complexity and diversity of the processes of life.
- Enable students to relate their knowledge to applied biological sciences.
- Provide students with the knowledge and skills required for employment, specifically within Biological Sciences, and more generally, graduate level employment.
- Develop the skills necessary for the coherent communication of scientific data and information.
- Develop students' ability to undertake, and critically evaluate the validity and reliability of a range of methodologies.
- Provide students with the skills required to critically evaluate current scientific research literature.
- Engage students with contemporary developments and research activity in Biological Sciences.
- Contribute to widening participation in science higher education in the region and raise the local and regional expertise in graduates within Biological Sciences disciplines.
- Enable students to become creative, innovative and independent learners.

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<sup>1</sup> The University reserves the right to make changes to course content, structure, teaching and assessment as outlined in the [Admissions Policy](#).

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### **Course Learning Outcomes**

The following statements define what students graduating from the BSc (Hons) Biological Sciences (with professional Placement) course will have been judged to have demonstrated in order to achieve the award. These statements, known as learning outcomes, have been formally approved as aligned with the generic qualification descriptor for level 4/5/6 awards as set out by the UK Quality Assurance Agency (QAA)<sup>2</sup>.

1. Demonstrate critical knowledge and understanding of contemporary research advances in Biological Sciences.
2. Use an interdisciplinary approach to apply the underlying principles of the Biological Sciences.
3. Critically analyse the validity and reliability of a range of scientific techniques.
4. Evaluate the significance of experimental results with respect to scientific expectations
5. Obtain and integrate science based evidence to formulate and test current hypotheses relevant to Biological Sciences.
6. Design, plan, and conduct a research dissertation and critically evaluate the significance of the outcomes.
7. Demonstrate the acquisition of problem solving techniques including the ability to critically collate and analyse original research data and draw conclusions.
8. Demonstrate the acquisition of a range of specialist practical skills relevant to the Biological Sciences with due regards to ethics and health and safety.
9. Demonstrate Teamwork and other Graduate attributes
10. Exercise initiative and personal responsibility in undertaking a task e.g. dissertation, project.

### **Course Design**

The design of this course has been guided by the following QAA Benchmarks / Professional Standards / Royal Society of Biology Competency Frameworks:

- [QAA Benchmark Statements Biosciences (2019)]

### **Course Structure**

The BSc (Hons) Biological Sciences (with professional Placement) comprises modules at levels 4, 5 and 6.

Module Specifications for each of these modules is included within the course handbook, available to students on-line at the beginning of each academic year.

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<sup>2</sup> As set out in the [QAA Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies \(2014\)](#)  
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	Module	Credits	Module Type
<b>Level 4</b>			
	Scientific Skills	20	Mandatory
	Biochemistry	20	Mandatory
	Cell Biology	20	Mandatory
	Introduction to the Genome	20	Mandatory
	Diversity of Life	20	Requisite
	Ecology & Ecosystems	20	Optional
	Human Physiology 1	20	Optional
<b>Level 5</b>			
	Data Analysis and Statistics	20	Mandatory
	Research Methods and Scientific Communication	20	Mandatory
	Immunology	20	Optional
	Molecular Biotechnology	20	Requisite
	Microbial Organisms	20	Requisite
	Biology of Disease	20	Optional
	Plant Biology	20	Optional
	Marine and Fresh Water Biology	20	Optional
	Work-Based Experience	20	Optional
<b>Professional Placement Year (120 placement credits) - Mandatory</b>			
<b>Level 6</b>			
	Dissertation (Biological Sciences)	40	Mandatory
	Professional Development for Life Sciences	20	Mandatory
	Developmental Biology	20	Requisite
	Regenerative Medicine	20	Optional
	Pharmacology and Toxicology	20	Optional
	Adaptative Physiology	20	Optional
	Ecotoxicology	20	Optional

Optional Modules Available Every Year

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### **Awards**

On successful completion of the course, students will be awarded a BSc (Hons) Biological Sciences (with professional Placement). Students who leave the course early may be eligible for a BSc Biological Sciences on successful completion of 300 credits at Level 4 or above (including at least 180 credits at Level 5 or above and at least 60 credits at Level 6), DipHE Biological Sciences on successful completion of 240 credits including all mandatory modules at levels 4 and 5, or a Cert HE Biological Sciences on successful completion of 120 credits including all mandatory modules at level 4.

### **Course Delivery**

The course is delivered at the Ipswich campus. During a typical week as a full-time student, you are likely to be on campus for two full days per week attending lectures, undertaking practical sessions, workshops and sometimes visits to external organisations. You will also be expected to participate in around a day's worth of structured online activity that may include listening to podcasts, watching lectures/talks, participating in quizzes and laboratory simulations, and working through problems and tasks set by your lecturers. These need not be specifically scheduled and are intended to be relatively flexible to fit with and around other commitments that you may have. You will also be expected to dedicate other time during the week to independent learning where you are expected to read, research, watch and understand topics from your curriculum in a way that supports your learning and works for you.

### **Course Assessment**

A variety of assessments will be used on the course to enable students to experience and adapt to different assessment styles. The assessment methods used will be appropriate to assess each module's intended learning outcomes. Assessment on the course overall will be approximately 60% coursework (including essays, reports, presentations, group work, reflective learning journals and research projects), 25% examinations and 15% practical assessments.

### **Special Features**

On successful completion of the BSc (Hons) Biological Sciences, students are eligible for membership with the Royal Society of Biology.

A year-long placement equating to 120 credits forms part of this course; the placement is scheduled to take place between levels 5 and 6.

### **Course Team**

The academic staff delivering this course are drawn from a team that includes teaching specialists and current practitioners. All staff are qualified in their subjects with their own specialist knowledge to contribute.

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### **Course Costs**

Students undertaking BSc (Hons) Biological Sciences (with Professional Placement) will be charged tuition fees as detailed below.

Student Group	Tuition Fees
Full-time UK	£9,250 per year (excluding sandwich year, for which the fee will be £1,850 for the year)
Part-time UK	N/A
Full-time EU/International	£14,598 (excluding sandwich year, for which the fee will be £2,875 for the year)
Part-time EU/International	N/A

Payment of tuition fees is due at the time of enrolment and is managed in accordance with the Tuition Fee Policy.

Students are likely to incur other costs for equipment, materials, optional field trips, exhibitions amounting to approximately £250 per year. A modern laptop computer is also required.

### **Academic Framework and Regulations**

This course is delivered according to the Framework and Regulations for Undergraduate Awards and other academic policies and procedures of the University and published on the [website](#).