Welcome to your Physiological Science offer holder event
School of Physiology, Pharmacology and Neuroscience

Welcome
Dr Lauren Goodhead
Programme Director

Content
✓ What and how will I study?
✓ Why study at Bristol?

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School of Physiology Pharmacology & Neuroscience
Faculty of Life Sciences

B120 BSc Physiological Science (3 year)
B122 MSci Physiological Science (4 year)

MSci Physiological Science with Study in Industry (4 year)

There is direct entry onto B120 and B122 but students transfer from B120 onto the MSci with study in Industry when you are in Bristol

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Year 1

Mandatory Units:

➢ Physiology 1A and 1B
  Learn how the different body systems work
➢ Pharmacology 1A
  How do drugs interact with receptors

Choose Three Optional units. Most popular choices:

(There may be limitations on combinations due to timetabling)

• Anatomical Science (2 units)
• Psychology (2 units)
• Introduction to Neuroscience
• Functional Neuroanatomy
• Biochemistry (2 units)
• The Science of Happiness

Programme Enhancement Activities
In additional to mandatory units, we run a programme of activities to help support your transition to University and engagement with your subject

Students undertaking a first year respiratory practical on lung function
Year 2

Mandatory Units:

➢ **Neurophysiology**
  Understanding of high order nervous function e.g. special senses

➢ **Cellular Physiology**
  How do cells perform specialist functions

➢ **Integrative Physiology**
  Topics include exercise and the biological stress response

➢ **Biomedical sciences skills unit**
  • Employability - C.V. and interview preparation
  • Data interpretation statistical analysis
  • Enterprise skills

Plus choose 2 Optional units:

Most popular choices:
• Human Anatomy
• Techniques in Neuroscience
• Pharmacology of Body systems/ The Nervous system
• Or an open unit e.g. modern language, Big Ideas in Science

Your mean year 2 mark counts 25% towards your BSc degree mark
Year 1 and 2

How will I be taught?
You will take 3 units at a time in each teaching block.
In each unit there are typically:
• 3 lectures a week
• 1 practical a week
• 1 tutorial/workshop every other week

How will I be assessed?
End of unit assessments are held in January for teaching Block 1 units and in May/June for teaching Block 2 units.

Typically:
✓ Exams count 70% and coursework 30%
✓ Some optional units are all coursework-based

Focus is on developing learning skills and understanding core concepts.

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Year 3 BSc

Three research-led units, chosen from e.g.
• The Heart in Health and Disease
• Brain and Behaviour
• Neuroscience of Pain
• New Horizons in Medicine
• Cardiovascular System in Health and Disease
• Rhythms of Life

Or one Pharmacology unit

Skills unit
• Experimental design
• Data analysis
• Research papers

Research project
Experimental, literature review and experimental design, teaching, public engagement with science

Units are research-led which means you are taught subject areas by staff that are experts

Assessment via: coursework, unit exams, project dissertation and project talk. 75% of degree mark for BSc

There is a wide variety of different projects to choose from

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Year 3 BSc
Research projects

Examples of previous projects:

❖ Mapping pheromonal responses in the brain
❖ Intracellular calcium handling by atrioventricular nodal and atrial cells.
❖ Does the human patient simulator exhibit an increase in pulmonary vascular resistance in response to simulated ascent to altitude?
❖ Investigating links between physical activity and wellbeing.
❖ Perceptions of sex and gender, physiological and classical perspectives

There is a wide variety of different projects to choose from.

Lab based research
Teaching Focussed
Literature review and experimental design
Data analysis
Public Understanding of Science

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Year 4 MSci

Units:
• Advanced project planning
• 14-week full time Research project
• Advanced creative communication
• Ideas and Enterprise

Focus is on:
• Project planning and execution
• Group work
• Communication skills

Ideal if you are thinking of doing a PhD or research career

Final year Assessment via coursework.
Contributions of marks to degree
Year 1 – 0%
Year 2 – 10%
Year 3 – 40%
Year 4 – 50%

Minimum grade requirements
Year 1: 40
Year 2: 60
Year 3: 50
Year 4: 50
MSci with year in Industry
Internal Transfer from BSc

• Industrial placement taken between years 2 and 3
• Return to complete year 3 as in BSc
• Research project is replaced by a grant proposal task

Why do the year in Industry?
• Experience how the Biomedical industry operates
• Would you enjoy full-time research?
• New skills: teamwork, target setting and meeting deadlines
• Financial benefits
Continual commitment to excellence in Teaching and Research

On-line resources to support practical teaching

Virtual microscope

Human patient simulator – ‘Athena’

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Why Study Physiology at Bristol?

- Small cohort
- Excellent support
- Programme Enhancement Activities
- We support your transition to university
- Innovative teaching

Times good uni guide 2020
Anatomy & Physiology - 10th

Guardian 2020
Pharmacology 5th
Anatomy and Physiology 4th

2019

✓ Pharmacology: 95% - overall satisfaction
✓ Physiological science: 100% - Staff are good at explaining things
✓ Neuroscience: 95% - staff are good at explaining things

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Thank you

Any questions?