Hear what it’s like to study Pharmacology at Bristol – watch our video:

bristol.ac.uk/phys-pharm-neuro
Why study Pharmacology at Bristol?

• We’re ranked third in the UK for Pharmacology (*The Guardian*, 2020)

• We offer a choice of Pharmacology degrees: B210 BSc Pharmacology (3 year), B212 MSci Pharmacology (4 year) and B211 MSci Pharmacology with Study in Industry (4 year).

• We specialise in the study of: Learning and memory, Cardiovascular physiology, Sensory physiology/neuroscience, Pain, Cell motility and movement, and Neuropsychiatric disorders.

• You’ll have access to a range of excellent facilities, including the Virtual microscope, eBioLabs and our Human patient stimulator, ‘Stan’.

• We limit our intake to between 30 to 80 students per year on each course, ensuring an excellent student to staff ratio.

• We offer a range of opportunities to socialise with other neuroscientists across Bristol: through our active student societies; student parenting scheme; BBQs, bar crawls and the Neuroscience Ball.

• We want you to succeed beyond university; we provide Programme Enhancement Activities designed to enhance your employability skills.
Course structure

*please note that course units vary between degrees and may change
First year units

• In your first year you will study two mandatory units: Pharmacology 1A and 1B and Understanding Body Function A

• You will also pick three units from the following options:
  - Understanding Body Function B
  - Introduction to Neuroscience
  - Functional Neuroanatomy
  - Biochemistry
  - Psychology
  - Cellular and Molecular Medicine

An example of a first-year timetable

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<td>Thursday</td>
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<td>Friday</td>
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<td>Practical: Physiology</td>
<td>Practical: Neuroscience</td>
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Second year units

- Your second year is worth 120 credit points (6 units)
- Pharmacology of the Nervous System and Pharmacology of Body Systems are mandatory units.
- You will also pick three units from the following options:
  - Integrative Physiology
  - Molecular Genetics
  - Neurophysiology
  - Cellular Physiology
  - Techniques in Neuroscience
  - An ‘open unit’ that includes: a language, ‘Big ideas in Science’, or a first-year unit e.g. Psychology
- Additionally, you'll have the opportunity to gain important transferable skills through our BREES programme (Biomedical Research, Employability and Enterprise skills).

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Third year

Following second year, the route you’ll take will vary depending on which course you have chosen.

- **BSc degrees** – your third year is your final year and will consist of seminar teaching and a research project.

- **MSci degrees** – your third year will consist of seminar teaching and a research project followed by an additional fourth year of study.

- **MSci with Study in Industry** – your third year is spent completing an industry placement, after which you will return for a final year of study.

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Research project

Your final-year research project is a great opportunity for you to undertake real research in an area of your choice.

Previous research projects have included:

- ‘Designing reagents for Drugs of Abuse testing’
- ‘Intracellular calcium handling by atrioventricular nodal and atrial cells’
- ‘Glutamate receptors and cardiac function’
- ‘Characterising Drosophila models of Alzheimer’s disease’
- ‘Anti-platelet therapy in stroke: is the P2Y12 receptor a good target?’
- ‘Can we learn anything about the mechanisms which underlie rapid onset antidepressants by better understanding their pharmacology?’

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Study in Industry

- During your degree you may also have the option to spend a year gaining real-world experience by working in a company or research institute.
- Students apply for placements during Year 2 and complete the placement in Year 3. On your return in Year 4, you will write a report on the work you have completed and present it as a poster.
- You’ll experience how the biomedical industry operates.
- Previous placements have included GlaxoSmithKline, Pfizer, Bayer, Novartis, MSD and AstraZeneca
- Available for MSci Pharmacology with Study in Industry students only.

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Thank you