Neuroscience is the science of the nervous system. You will study how the mind and brain work to facilitate our behaviour, covering topics such as memory formation, cognitive processing and the activity of nerve cells.

- This programme is taught jointly by the School of Psychology & Neuroscience and the School of Biology.
- Research-led teaching given by specialists in their fields.
- Small class teaching in Senior Honours courses allowing more student-lecturer interactions.
- Students have opportunities to conduct year-long research projects and develop their own specialities.

What will I study?
If you decide to study Neuroscience at St Andrews, you should have acquired a sufficient science background at school. You will learn both the biological processes of animal behaviour and higher brain functions like perception and cognition. Our main specialisms include animal motor control, neural degeneration, neural development, animal behaviour, learning and memory.

First year
You will study some introductory courses on both biology and psychology with regular labs and statistical methods. You will also have the freedom to take up to two courses of your own choice.

Second year
You will learn some further psychology and some more specialised biology topics like biochemistry, molecular and cellular biology, evolutionary biology, zoology and ecology.

Third and fourth years (Honours)
In the third year, you start to learn about neuroscience, pharmacology and other topics like behavioural neuroscience, perception and cognition, membranes and cell communication, gene regulation and expression, protein structure and function, research design and analysis.

In the fourth year, you have the options to develop your own speciality by choosing some small courses, for example, neurodegeneration and ageing, neural basis of episodic memory, neuromodulation, psychology of dementia, origins and evolution of mind reading.

Most of the courses have labs incorporated in them. You will also carry out a year-long research project in one of the neuroscience labs under the supervision of a specialist and are required to write a dissertation.

Study abroad
Neuroscience students participate in the University-wide St Andrews Abroad programme. For information about study abroad options, please see: [www.st-andrews.ac.uk/study-abroad](http://www.st-andrews.ac.uk/study-abroad)

Entry requirements
We consider all aspects of every application, including context, equivalent qualifications and the Personal Statement. Offers may be higher or lower than the grades stated here. See also page 169.

[www.st-andrews.ac.uk/subjects/entry](http://www.st-andrews.ac.uk/subjects/entry)

Qualifications must include at least two of Biology (or Human Biology), Chemistry, Mathematics or Physics.

SQA Highers: AAAB
GCE A-Levels: AAB
International Baccalaureate Points: 35

“Neuroscience is one of the smaller science subjects at St Andrews, which makes it feel more personal and involved. The lecturers are great at integrating pieces of their own research into lectures, which also gives us the opportunity to learn further about related research happening around the University.”

Maddy (Massachusetts, USA)