

**What does a neuroscience degree involve?**

Three years studying units including neuroscience, biochemistry, physiology, genetics, and molecular biology will give you a bachelor's degree.

This can lead to a Master's or a PhD in which you tackle an advanced research project in the lab. These projects are undertaken in conjunction with the Menzies Research Institute.

For more information, see the UTAS neuroscience website.

**Suggested studies, years 11 and 12**

Year 11: Maths Applied and/or Methods;  
Physical Science; Sports Science; Health  
Year 12: Maths Applied and/or Methods;  
Chemistry; Environmental Science;  
Biology; Food and Nutrition

**Neuroscience research at UTAS and MRI**

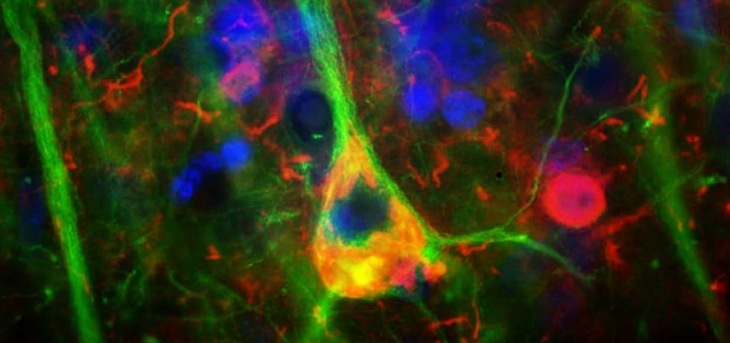
- Alzheimer's disease
- Parkinson's disease
- Motor neuron disease
- Multiple sclerosis
- Brain injury and repair
- Infection in the brain
- Growth and development

**Programmes offered**

- Bachelor's degree: three years (e.g. BMedRes, BSc, BBiotech) (BPsych, BBehavSc and BA can also include neuroscience units)
- Honours: bachelor's + one year
- Master's: honours + two years
- PhD: honours + three to four years
- See website for entry requirements.



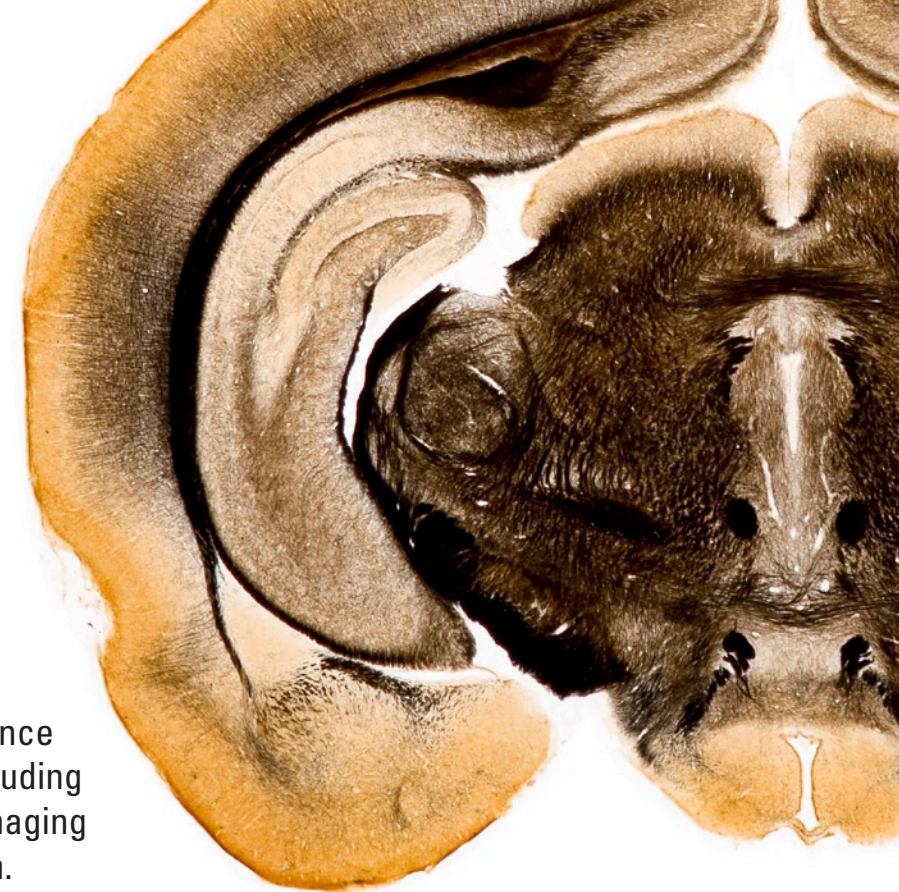
**Neuroscience at the University of Tasmania**



# Why neuroscience?

## **The brain is one of the last great frontiers in science.**

It's the most complex object in the known universe, and although science has spent more than a century studying its functions, some of its deepest mysteries remain unsolved. How does it make us conscious? Why does it recover from some injuries and diseases, but fail or die from others? How has our brain evolved to produce sophisticated behaviour and reasoning? Does our behaviour have much in common with other mammals?



## **It opens up a wide range of careers and interests.**

Graduates of the University of Tasmania's neuroscience programmes work in a range of interesting jobs, including research, neuropsychology, medical education, managing laboratories, drug discovery, and science journalism. A strong neuroscience degree can also be an ideal starting point for entry into post-graduate medicine degrees offered around Australia and internationally.

## **Seek answers to some of our most devastating health problems.**

Every year tens of thousands of Australians die from strokes, head injuries, Parkinson's, Alzheimer's, Huntington's, and dozens of other diseases of the nervous system. By seeking to understand how these diseases have their effects, and examining possible therapies and cures, neuroscience research has the potential to affect the lives of sufferers and their families. Studying neuroscience is not just interesting – it has the potential to make a real difference.

