

Professional Certificate in Educational Neuroscience

Explore the science of learning and how the brain works with the Professional Certificate in Educational Neuroscience. You'll examine how this emerging and exciting field can be successfully translated to improve classroom teaching and learning.

Overview

This 25 point course comprises two core subjects:

- Foundations of the Science of Learning
- Brain, Mind and Education.

You'll gain a broad understanding of the scientific method behind the design, delivery and evaluation of learning interventions, along with the brain and behavioural mechanisms which underpin learning.

You will learn how to evaluate the validity of educational, psychological and neuroscientific research, enabling you to critically reflect on your own teaching philosophies and practices, and make informed choices about new educational methods and products you would like to adopt.

Outcomes

The Professional Certificate in Educational Neuroscience prepares you to:

- Understand essential concepts in neuroscience, including brain structure and function, neural correlates of learning, and cognitive development
- Understand the basics of neuroimaging and what pictures of the brain actually reveal
- Have in-depth knowledge of the latest research concerning the neuroscientific, psychological, and educational underpinnings of learning and apply these to your classroom or school
- Design, deliver and evaluate learning interventions
- Share emerging knowledge with your learning community in order to impact constructive change in your school environment
- Reflect on emerging research and consider how certain ideas may – or may not – be beneficial for classroom practice.

Sample course plan

Semester 1	Foundations of the Science of Learning
Semester 2	Brain, Mind and Education

Core subject



“This course isn’t a passive lecture but rather a thought provoking, research based, reflective, practical experience. It is what university should be about – the latest research combined with discussion and examination of your own assumptions and knowledge. Learning through each other and examining practice with experts.”

Lucy Clyde, primary school teacher

Quick facts

Duration
1 year part time

Delivery mode
On campus (weekends)

Entry
Semester 1

Fees
Australian fee-paying place

Entry requirements

- An undergraduate degree in any discipline

All students must meet English language requirements.

After successfully completing this course you will be eligible for 25 credit points towards a relevant graduate certificate or masters course.