

# GRADUATE DIPLOMA IN NEUROMORPHIC ENGINEERING (EXIT ONLY) (8125)

Approved Abbreviation: GradDipNeuroEng  
Western Sydney University Program Code: 8125  
AQF Level: 8

CRICOS Code: 106436B

Graduate Diploma in Neuromorphic Engineering is an exit point on completion of 80 credit points of study selected from the 8124 Master of Applied Neuromorphic Engineering subjects as indicated in the program structure.

8124 - Master of Applied Neuromorphic Engineering (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/master-applied-neuromorphic-engineering/>)

## Study Mode

One year full-time or two years part-time.

## Program Advice

Bharath Ramesh (<https://directory.westernsydney.edu.au/search/email/B.Ramesh@westernsydney.edu.au>)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

## Location

| Campus                                          | Attendance | Mode     | Advice    |
|-------------------------------------------------|------------|----------|-----------|
| Parramatta<br>City Campus -<br>Macquarie Street | Full Time  | Internal | See above |
| Penrith campus                                  | Full Time  | Internal | See above |

## Admission

This is an exit point only from 8124 - Master of Applied Neuromorphic Engineering (<https://hbook.westernsydney.edu.au/archives/2023-2024/programs/master-applied-neuromorphic-engineering/>).

## Recommend Sequence

Qualification for this award requires the successful completion of 80 credit points as per the recommended structure below.

| Course                | Title                            | Credit Points |
|-----------------------|----------------------------------|---------------|
| <b>Year 1</b>         |                                  |               |
| <b>Autumn session</b> |                                  |               |
| ELEC 6004             | Neuromorphic Electronics Design  | 10            |
| MATH 7019             | Mathematics of Signal Processing | 10            |
| NATS 6001             | Introduction to Neuroscience     | 10            |
| COMP 7024             | Programming for Data Science     | 10            |
| <b>Credit Points</b>  |                                  | <b>40</b>     |

### Spring session

|                            |                                         |           |
|----------------------------|-----------------------------------------|-----------|
| ELEC 6003                  | Neuromorphic Accelerators               | 10        |
| COMP 6001                  | Neuromorphic Algorithms and Computation | 10        |
| COMP 6002                  | Neuromorphic Sensing                    | 10        |
| INFO 7001                  | Advanced Machine Learning               | 10        |
| <b>Credit Points</b>       |                                         | <b>40</b> |
| <b>Total Credit Points</b> |                                         | <b>80</b> |