

ELEC 6001 APPLIED PROJECT IN NEUROMORPHIC ENGINEERING

Credit Points 40

Legacy Code 800235

Coordinator Saeed Afshar ([https://directory.westernsydney.edu.au/search/name/Saeed Afshar/](https://directory.westernsydney.edu.au/search/name/Saeed%20Afshar/))

Description This 40 credit point semester-long subject provides a capstone experience to students enrolled in the Master of Applied Neuromorphic Engineering. Students work on an industry-oriented project with practical application and outcome. Having the intention to go into industry, this subject provides opportunities for students to explore a relevant problem that can be completed in one semester. Students will gain valuable experience and industry insights.

School Graduate Research School

Discipline Electrical And Electronic Engineering And Technology

Student Contribution Band HECS Band 2 40cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 6 subject

Pre-requisite(s) INFO 7001 AND
ELEC 6003 AND
COMP 6001 AND
COMP 6002

Restrictions

Students must be enrolled in 8124 Master of Applied Neuromorphic Engineering

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Propose a feasible project plan in Neuromorphic Engineering
2. Appraise new opportunities in Neuromorphic Engineering with creativity and initiative
3. Systemically and critically analyse data and information sources that are related to the identified industry-oriented problem aiming to enhance the capabilities of the neuromorphic system
4. Effectively communicate a novel solution and its potentials to both specialist and non-specialist audiences by utilising a variety of multimedia formats that fit for purpose
5. Execute an industry-oriented project with practical application and outcomes in the area of Neuromorphic Engineering

Subject Content

- Project scoping
- Project proposal and plan
- Project execution and evaluation
- Stakeholder engagement
- Effective communication and negotiation
- Industry standards
- Processes and considerations for commercialisation

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
Report	1000 words	5	N	Individual
Portfolio	2000 words or equivalent	20	N	Individual
Presentation*	15 mins	10	N	Individual
Applied project	4000 words or equivalent	50	Y	Individual
Proposal	5 mins or 1200 words(or equivalent)	15	N	Individual