



Course Matrix

Program Requirements for the Pre-Masters Program:

- 1) You must complete the two General Knowledge courses: Academic Research & Information Skills and Innovation & Entrepreneurship
- 2) If you have not met the English Entry Requirement, you must complete the Academic English for Higher Studies course.
- 3) If you are required to take Academic English for Higher Studies, enrol into ONE discipline-specific CORE course (where that exists), otherwise a Discipline Elective
- 4) If you are NOT required to take Academic English for Higher Studies, enrol into ONE discipline-specific CORE course (where that exists) and another discipline course
- 5) You will only receive the amount of credit (UoC) towards the UNSW Master's, as specified under Advanced Standing for your Specialisation. Only discipline-specific courses incur UoC.
- 6) To progress into the Masters, you must pass all courses (check your Course Outline as to what constitutes a Pass grade).

Destination Master's Program	Destination Specialisation	Academic Research & Information Skills	Innovation & Entrepreneurship	Academic English for Higher Studies	Engineering Project Management	Economic Decision Analysis in Engineering	Principles of Programming	Advanced Standing (UoC) towards UNSW Master	
		General Knowledge Courses		English Course	Discipline-specific courses			IELTS = 6.0 (or equivalent)	IELTS > 6.5 (or equivalent)
		AELS1401	BMGT1402	AELS1400	ENGI1403 (UNSW GSOE9820)	ENGI1406 (UNSW GSOE9830)	CPTG1405 (UNSW COMP9021)	UoC	UoC
Master of Engineering (8621)	Biomedical Engineering	✓	✓	✓	✓	✓	✓	6	12
	Electrical Engineering	✓	✓	✓	✓	✓		6	12
	Mechanical Engineering	✓	✓	✓	✓	✓		6	12
	Renewable Energy Engineering	✓	✓	✓	✓	✓		6	12
	Telecommunications	✓	✓	✓	✓	✓		6	12
	Environmental Engineering	✓	✓	✓	✓	✓	✓	0	0
	Civil Engineering	✓	✓	✓	✓	✓	✓	0	0
Master of Information Technology (8543)	Artificial Intelligence	✓	✓	✓	✓		✓	6	12
Information Technology	✓	✓	✓	✓		✓	6	12	
Database Systems	✓	✓	✓	✓		✓	6	12	
Internetworking	✓	✓	✓	✓		✓	6	12	
Cyber Security Engineering	✓	✓	✓	✓	✓		✓	6	12
Master of Engineering Science (8338)	Biomedical Engineering	✓	✓	✓	✓	✓		6	12
	Chemical Engineering	✓	✓	✓	✓	✓		6	6
	Civil Engineering	✓	✓	✓	✓	✓	✓	6	6
	Environmental Engineering	✓	✓	✓	✓	✓	✓	6	6
	Geotechnical Engineering & Engineering Geology	✓	✓	✓	✓	✓	✓	6	6
	Project Management	✓	✓	✓	✓	✓	✓	6	6
	Structural Engineering	✓	✓	✓	✓	✓	✓	6	6
	Transport Engineering	✓	✓	✓	✓		✓	6	12
	Water Engineering: Catchments to Coast	✓	✓	✓	✓	✓	✓	6	6
	Water, Wastewater and Waste Engineering	✓	✓	✓	✓	✓	✓	6	6
	Electrical Engineering	✓	✓	✓	✓	✓		6	6
	Energy Systems	✓	✓	✓	✓	✓		6	6
	Geoenergy and Geostorage Engineering	✓	✓	✓	✓	✓	✓	6	6
	Systems and Control	✓	✓	✓	✓	✓		6	6
	Space Systems Engineering	✓	✓	✓	✓	✓	✓	6	6
	Sustainable Systems	✓	✓	✓	✓	✓		6	6
	Food Process Engineering	✓	✓	✓	✓	✓		6	6
	Mechanical and Advanced Manufacturing Engineering	✓	✓	✓	✓	✓	✓	6	12
	Nuclear Engineering	✓	✓	✓	✓	✓	✓	6	6
	Robotics	✓	✓	✓	✓	✓	✓	6	12
Photovoltaics and Solar Energy	✓	✓	✓	✓	✓	✓	6	12	
Renewable Energy	✓	✓	✓	✓	✓	✓	6	12	
Telecommunications	✓	✓	✓	✓	✓		6	6	

Key

✓	Compulsory Course, No UoC
✓	English Course, No UoC *Only required for students who have not met the English requirement
✓	Discipline-specific CORE course, with UoC
✓	Discipline Elective, with UoC
✓	Discipline Elective, No UoC