UNSW College Pre-Masters Course Selection List

All Pre-Masters students will need to undertake a set of compulsory **core courses** as well as **discipline-specific courses** based on their preferred master's degree and/or specialisation. See the list below to guide your course selection.

Compulsory Courses (all students must undertake these courses)

1. Innovation & Entrepreneurship **(AELS1401)**
2. Academic Research Literacy Skills **(BMGT1402)**
3. Academic English for Higher Studies **(AELS1400)** (compulsory for students with an English score of IELTS 6.0 or equivalent)

Note: These courses do not carry UoC to your master's degree at UNSW.

Discipline-specific Courses

- You must choose courses from the table below depending on your preferred degree and specialisation.
- If students must do Academic English for Higher Studies (AELS1400), students select one course. Otherwise, students select two.
- Discipline-specific core courses (if any) should be prioritised if students can only select one course.

Program Requirements for the Pre-Masters Program

You will only receive the amount of credit (UoC) towards the UNSW master's as specified under the Advanced Standing towards UNSW master's column. Only discipline-specific courses incur UoC.

To progress into the Masters, you must pass all courses (check your Course Outline as to what constitutes a Pass grade).

Other Master's Degree Specialisations

For Master of Engineering (8621) specialisations (Civil Engineering, Environmental Engineering and Mining Engineering) students who successfully complete the Pre-Masters program will be admitted to the master's degree but will not receive recognition of prior learning (advanced standing).

Key for Table

Use the table below to select your courses, following the key to find the courses to enrol in.

✓	Discipline-specific CORE course, with UoC
✓	Discipline Elective, with UoC
✓	Discipline Elective, No UoC

UNSW Master's Degree	UNSW Master's Degree Specialisations	Pre-Masters Discipline-specific Course			Advanced Standing towards UNSW Master's (UoC)	
		Engineering Project Management (ENGI1403)	Economic Decision Analysis in Engineering (ENGI1406)	Principles of Programming (CPTG1405)	IELTS 6.0 (or equivalent)	IELTS ≥ 6.5 (or equivalent)
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
	Mining 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

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	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

UNSW Masters Faculty	UNSW Master's Degree	Pre-Masters Discipline-specific Course		Advanced Standing towards UNSW Master's (UoC)	
		Creative Experimentation (ARDN1401)	Communication Skills for Creative Disciplines (ARDN1402)	IELTS 6.0 (or equivalent)	IELTS ≥ 6.5 (or equivalent)
ADA	Design (9313)	✓	✓	6	12
	Curating & Cultural Leadership (9318)	✓	✓	6	12
	Animation & Visual Effects (9319)	✓	✓	6	12
PMP of Art & Design	Simulation & Immersive Technologies (9323)	✓	✓	6	12

UNSW Masters Faculty	UNSW Master's Degree	Pre-Masters Discipline-specific Course		Advanced Standing towards UNSW Master's (UoC)	
		Research in Practice (MEDA1401)	Writing for Media (MEDA1402)	IELTS 6.0 (or equivalent)	IELTS ≥ 6.5 (or equivalent)
ADA	PR & Advertising (B&C) (8281)	✓	✓	6	12
	Journalism & Communications (B&C) (8232)	✓	✓	6	12
PMP of Media	PR & Advertising/Design (B) (8234)	✓	✓	6	12

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