



TAIWAN TECH-UNSW DOUBLE DEGREE PROGRAM

.....
2 YEARS AT TAIWAN TECH
2 YEARS AT UNSW



The University of New South Wales (UNSW)

UNSW is an Australian public university with its largest campus in Sydney, Australia's largest city. It was established in 1949 with a unique focus on the scientific, technological and professional disciplines. UNSW is a research university, ranked **43rd** in the world in the 2022 QS World University Rankings. UNSW is also a member of the prestigious Group of Eight - a coalition of Australia's leading research intensive universities.

UNSW World Rankings

2022 QS World University: 43

2021 Times Higher Education: 67

2021 U.S. News & World Report: 51

2021 Academic Ranking : 65

In the 2021 QS World University Rankings by Subject, there are three subjects at UNSW ranked top 15 in the world including Bachelor Of Engineering (Mining) (top 5) , Bachelor of Engineering (Civil) (top 12) and Law (top 13) .



Ranked **1st** in Australia

UNSW Engineering is the largest engineering faculty in Australia and offers the widest range of engineering degrees in the country.

- Graduate School of Biomedical Engineering
- School of Chemical Engineering and Industrial Chemistry
- School of Civil & Environmental Engineering
- School of Computer Science and Engineering
- School of Electrical Engineering and Telecommunications
- School of Mechanical and Manufacturing Engineering
- School of Mining Engineering
- School of Petroleum Engineering
- School of Photovoltaic Engineering
- School of Surveying and Spatial Information Systems

Qualifications

- ✓ Bachelor's Degree students under College of Engineering
- ✓ Four semesters at Taiwan Tech and a minimum of six terms at UNSW (2+2 years)
- ✓ Students who have successfully completed two years of Taiwan Tech may apply to enter the UNSW Bachelor of Engineering (Honours) and be given “advanced standing” typically up to **96 Units of Credit (UoC)**, on the basis of their achievements at Taiwan Tech.
- ✓ There is no restriction on the number of applicants.



Course Arrangement - Civil & Construction

✓ Students are suggested to finishing the courses indicated in the first two years at Taiwan Tech. After taking the courses at Taiwan Tech, students may waive the courses at UNSW.

WAIVED

Entering UNSW Bachelor of Engineering (Honours) in Civil Engineering

Taiwan Tech (First Year and Second Year)			UNSW		
Course Code(s)	Course Name	UoC	Course Code	Course Name	UoC
CE162A	Calculus I	4	MATH1131	Mathematics 1A	6
CE162B	Calculus II	4			
CE1507	Basics of Mathematics (I)	0			
CE161A	Physics I	3	PHYS1121	Physics 1A	6
CE173A	Physics Lab I	1			
CE163A	Chemistry I	3	ENGG0011	1 st Year Elective	12
CE175A	Chemistry Lab I	1			
CE2006	Engineering Materials	3			
CE1002	<i>Intro to Eng and Eng Ethics</i>	2	ENGG1000	Introduction to Engineering Design and Innovation	6
CE2005	<i>Graphics</i>	2			
CE1006	Statics	3	ENGG1300	Engineering Mechanics	6
CE3000	Engineering Mathematics I	3	MATH1231	Mathematics 1B	6
CE2000	Programming Language	3	ENGG1811	Computing	6
CE2008	Mechanics of Materials	3	ENGG2400	Mechanics of Solids	6
CE2104	Structural Analysis	3	CVEN2303	Structural Analysis	6
CE2113	Soil Mechanics	3	CVEN3202	Soil Mechanics	6
CT3707	Soil Mechanics Test (1)	1			
CT3101	<i>Fluid Mechanics</i>	3	ENGG2500	Fluid Mechanics	6
CE3001	Engineering Mathematics II	3	MATH2019	Engineering Maths 2E	6
XXX	Chinese	6	GENZ2000	General Education	6
XXX	<i>Engineering Design</i>	3	DESN2000	Engineering Design	6
CT3608	Quality Control of Concrete	3	CVEN2101	Engineering Construction	6
CT3902	Material and Structural Test (1)	1			
	Total	61		Total	96

Course Arrangement - Mechanical

✓ Students are suggested to finishing the courses indicated in the first two years at Taiwan Tech. After taking the courses at Taiwan Tech, students may waive the courses at UNSW.

WAIVED

Taiwan Tech (First Year and Second Year)			UNSW		
Course Code(s)	Course Name	UoC	Course Code(s)	Course Name	UoC
CE162A	Calculus I	4	MATH1131	Mathematics 1A	6
CE162B	Calculus II	4			
CE1507	Basics of Mathematics (I)	0			
CE161A	Physics I	3	PHYS1121	Physics 1A	6
CE173A	Physics Lab I	1			
CE163A	Chemistry I	3	ENGG0010	Year 1 Elective	6
CE163B	Chemistry II	3			
CE175A	Chemistry Lab I	1			
CE175B	Chemistry Lab II	1			
CE1002	Intro to Eng and Eng Ethics	2	ENGG1000	Introduction to Engineering Design and Innovation	6
CE2005	Graphics	2			
CE1006	Statics	3	ENGG1300	Engineering Mechanics	6
CE3000	Engineering Mathematics I	3	MATH1231	Mathematics 1B	6
CE2000	Programming Language	3	COMP1511	Programming Fundamentals	6
CE2008	Mechanics of Materials	3	ENGG2400	Mechanics of Solids 1	6
XXX	Numerical Analysis	3	MATH2089	Numerical Methods and Stats	6
CE2106	Thermodynamics	3	MMAN2700	Thermodynamics	6
CE2107	Mechanical Design	3	DESN2000	Engineering Design and Professional Practice	6
CE2111	Manufacturing Processes	3	MMAN2130	Design and Manufacturing	6
CE2112	Mechanical Lab (I) - Materials and Manufacturing	1			
CE161B	Physics II	3	ELEC1111	Electrical and Telecommunications Engineering	6
CE173B	Physics Lab II	1			
CE3005	Fluid Mechanics	3	ENGG2500	Fluid Mechanics for Engineers	6
CE3013	Mechanical Lab (III) – Thermal and Fluid Science	1			
CE3001	Engineering Mathematics II	3	MATH2018	Engineering Mathematics 2D	6
CE2007	Engineering Dynamics	3	MMAN2300	Engineering Mechanics 2	6
	Total	63		Total	96

Course Arrangement - Chemical

✓ Students are suggested to finishing the courses indicated in the first two years at Taiwan Tech. After taking the courses at Taiwan Tech, students may waive the courses at UNSW.

WAIVED

Taiwan Tech (First Year and Second Year)			UNSW		
Course Code(s)	Course Name	UoC	Course Code	Course Name	UoC
CE162A	Calculus I	4	MATH1131	Mathematics 1A	6
CE162B	Calculus II	4			
CE1507	Basics of Mathematics (I)	0			
CE161A	Physics I	3	PHYS1121	Physics 1A	6
CE173A	Physics Lab I	1			
CE163A	Chemistry I	3	CHEM1811	Engineering Chemistry 1A	6
CE175A	Chemistry Lab I	1			
CE161B	Physics II	3	ENGG0010	Year 1 Elective	12
CE173B	Physics Lab II	1			
CE2009	Materials Science (I)	3			
CE2010	Materials Science (II)	3			
CE163B	Chemistry II	3	CHEM1821	Engineering Chemistry 1B	6
CE175B	Chemistry Lab II	1			
CE1002	Intro to Eng and Eng Ethics	2	ENGG1000	Introduction to Engineering Design and Innovation	6
CE2005	Graphics	2			
CE1006	Statics	3	DESN2000	Engineering Design and Professional Practice	6
CE3000	Engineering Mathematics I	3	MATH1231	Maths 1B	6
CE2000	Programming Language	3	ENGG1811	Computing for Engineers	6
CE202A	Organic Chemistry I	3	CHEM2021	Organic Chemistry	6
CE202B	Organic Chemistry II	3			
CE2110	Material and Energy Balances	3	CEIC2000	Materials and Energy Systems	6
CE201A	Physical Chemistry I	3			
CE2115	Unit Operation and Transport Phenomena (1)	3	CEIC2001	Fluid and Particle Mechanics	6
CE3001	Engineering Mathematics II	3	MATH2018	Engineering Maths 2D	6
XXX	Numerical Analysis	3	MATH2089	Numerical Methods and Stats	6
XXX	Chinese	6	GENZ3500	General Education	6
Total		70	Total		96

Application Requirement



- ✓ Successful completion of the first four semesters of approved study at Taiwan Tech with a minimum **GPA of 2.8** out of 4.3 in the courses they studied.
- ✓ Evidence that the applicant's English language ability meets the UNSW requirement for admission.
 - **IELTS: 6.5 overall (min. 6.0 in each subtest)**
 - **TOEFL 90 overall (min. 23 in writing, 22 in reading, listening and speaking)**

Application Time

- 1 2nd semester of 2nd year
- 2 1st semester of 3rd year

Register to the department your willingness to attend the program before the adding and dropping period every semester.



Submit the transcripts and English certificate

Recommendation letter from Dean

UNSW has three terms every year:

Term 1 (T1) : Feb-May₍₂₎

Term 2 (T2) : May-Aug

Term 3 (T3) : Sep-Dec₍₁₎

<https://apply.unsw.edu.au/apply/applyonlinedates.html>

About Diplomas

All students must register on a full-time basis. Students will be required to complete credits in accordance with each of the two participating institutions' graduation regulations.

UNSW

Complete the requirements of UNSW (Study at least 2 years)

Taiwan Tech

Please consult with the department to confirm what courses you need to take at UNSW to waive the credits of junior and senior year at Taiwan Tech



Tuition Fee & Living Expense

Around 85,000 AUD / per year

UNSW Tuition Fee: around 40,000 AUD/per year

Living Expense: around 25,000-30,000 AUD/per year

Dorm: around 125-735 AUD/per week

Student Visa: 620 AUD

Note: Students enrolled in the Taiwan Tech-UNSW Agreement will be required to pay the international student tuition fees for the Bachelor of Engineering (Honours) at UNSW and the Bachelor of Science at Taiwan Tech at the time of and during the enrolment of the student.