

# ASSOCIATE DEGREE IN ENGINEERING (7022)

**Approved Abbreviation:** AssocDegEng

**Western Sydney University Program Code:** 7022

**AQF Level:** 6

This program applies to students who commenced in 2021 or later.

Students should follow the program structure for the session start date relevant to the year they commenced.

For commencement year Q3, 2015 please refer to: 7022.3 Associate Degree in Engineering (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=7022.3>)

For commencement year 2014 please refer to: 7022.2 Associate Degree in Engineering (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=7022.2>)

This program is delivered by Western Sydney University, The College as an agent of Western Sydney University.

The Associate Degree in Engineering is designed for people who have workplace experience and wish to upgrade their qualifications in Engineering and possibly continue to the full Bachelor degree program.

The Associate Degree in Engineering has a common first year program for all engineering disciplines, exposing students to a wide range of experiences in the first year. In the second year students may choose from the majors in Civil, Electrical, Mechanical or Robotics & Mechatronics. If students choose to apply to study in the Bachelor of Engineering (Honours) after graduating from the Associate Degree in Engineering they may be given advanced standing in up to 12 subjects.

For more information on Western Sydney University, The College, please refer to their web site.

Western Sydney University, The College (<https://www.westernsydney.edu.au/future/study/application-pathways/the-college.html>)

## Study Mode

Four years part-time

## Program Advice

College Program Enquiries (<https://directory.westernsydney.edu.au/search/email/AdminApp@westernsydney.edu.au>)

## Location

Campus	Attendance	Mode	Advice
Online	Part Time	Online	See above

## Accreditation

The program has been designed in accordance to Engineers Australia standards and re-accreditation at the level of Engineering Associate will be sought from Engineers Australia.

## Work Integrated Learning

Western Sydney University seeks to enhance student learning experiences by enabling students to engage in the culture, expectations and practices of their profession or discipline. This program includes a placement or other community-based unpaid practical experience.

There is a mandatory work component required for completion of this program. Please contact the Program Advisor listed above for information.

## Admission

Applicants may be regarded as eligible for admission if they have completed the NSW HSC and attained the required ATAR (Australian Tertiary Admission Rank), or have completed other equivalent qualifications such as a recognised Certificate III or Certificate IV and vocational experience and attained the required entrance standard set for entry to the program. This may include bridging/preparatory courses, para-professional and other post-secondary qualifications.

Admission to the Associate Degree in Engineering also requires an applicant to have a minimum of three (3) years industry experience or be a member in a suitable traineeship program.

## Program Structure

Qualification for this award requires the successful completion of 160 credit points as per the recommended sequence below.

## Recommended Sequence

Course	Title	Credit Points
<b>Year 1</b>		
<b>Quarter 1 session</b>		
MATH 1010	Fundamentals for Engineering Studies (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Quarter 2 session</b>		
ELEC 1007	Engineering Computing (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Quarter 3 session</b>		
MATH 1022	Mathematics for Engineers Preliminary (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Quarter 4 session</b>		
ENGR 1009	Engineering Materials (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Year 2</b>		
<b>Quarter 1 session</b>		
MATH 1017	Mathematics for Engineers 1 (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Quarter 2 session</b>		
ENGR 1012	Engineering Physics (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Quarter 3 session</b>		
ELEC 1004	Electrical Fundamentals (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Quarter 4 session</b>		
ENGR 1019	Fundamentals of Mechanics (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>
<b>Year 3</b>		
<b>Quarter 1 session</b>		
ENGR 1025	Introduction to Engineering Practice (WSTC AssocD)	10
<b>Credit Points</b>		<b>10</b>

**Quarter 2 session**

ENGR 1023	Introduction to Engineering Business Management (WSTC AssocD)	10
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<b>Credit Points</b>	<b>10</b>
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**Quarter 3 session**

ENGR 2031	Management Practices for Engineer Associates (WSTC AssocD)	10
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<b>Credit Points</b>	<b>10</b>
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**Quarter 4 session**

Alternate subject		10
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<b>Credit Points</b>	<b>10</b>
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**Year 4****Quarter 1 session**

ENGR 2030	Industrial Experience (Associate Engineer) (WSTC AssocD)	10
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<b>Credit Points</b>	<b>10</b>
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**Quarter 2 session**

Alternate subject		10
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<b>Credit Points</b>	<b>10</b>
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**Quarter 3 session**

ENGR 2010	Engineering Project (WSTC AssocD)	10
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<b>Credit Points</b>	<b>10</b>
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**Quarter 4 session**

Alternate subject		10
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<b>Credit Points</b>	<b>10</b>
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<b>Total Credit Points</b>	<b>160</b>
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Students must also select one of the following majors and successfully complete three alternate subjects from the one major.

Please note: Offerings of alternate units are dependent on there being sufficient student enrolment numbers. If enrolments are low, the College may cancel delivery of the alternate unit.

Civil, Testamur Major (T033) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/civil-ug-pg-testamur-major/>)

Electrical, Testamur Major (T035) (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/electrical-ug-pg-testamur-major/>)

Mechanical, Testamur Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/mechanical-ug-pg-testamur-major/>)

Robotics and Mechatronics, Testamur Major (<https://hbook.westernsydney.edu.au/archives/2021-2022/majors-minors/robotics-mechatronics-ug-testamur-major/>)