

# DIPLOMA IN ENGINEERING EXTENDED (7162)

**Approved Abbreviation:** DipEng  
**Western Sydney University Program Code:** 7162  
**AQF Level:** 5

**CRICOS Code:** 085667J

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

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

This program is designed to provide students with the first year subjects included in the Bachelor of Engineering Science. The inclusion of additional preparatory subjects is designed to assist students in the transition to study at University level. The Diploma is delivered via extended face to face hours in smaller learning environments.

Students who successfully complete this Diploma will articulate into Bachelor of Engineering Science with up to one year (80 CPs) equivalent of advanced standing.

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

One and a half years full-time (four terms).

## Program Advice

College Program Enquiries ([AdminApp@westernsydney.edu.au](mailto:AdminApp@westernsydney.edu.au))

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

## Location

Campus	Attendance	Mode	Advice
Penrith Campus	Full Time	Internal	See above

## Admission

This program is open to Australian Citizens and Permanent Residents who are aged 17 years or over and not currently enrolled in or completing Year 12 in the same year of intended admission.

## International Students

IELTS 5.5 with minimum 5.0 in each sub band; or equivalent results from The College English Language Program or The College English Entrance Test; and completion of year 11 or equivalent with specified results.

## Program Structure

Qualification for this award requires the successful completion of 140 credit points which include the subjects listed in the pathways below.

Students are categorised into Pathways. See individual links below for detailed program structure.

## Recent School Leavers and Non-Credentialed Applicants

Subject	Title	Credit Points
---------	-------	---------------

Students must be enrolled in 7162 Diploma in Engineering Extended to complete this field of study.

Students must pass all Preparatory subjects (WSTC Prep) for which no advanced standing will be granted in the University degree program.

Note that students must pass 40 credit points from the following preparatory subjects prior to enrolling in the University level subjects listed below.

Term 1 of Study		
LANG 0042	Professional Communication Skills for Engineering (WSTC Prep)	10
MATH 0006	Mathematics 1 (WSTC Prep)	10
PHYS 0001	Foundation Physics 1 (WSTC Prep)	10
COMP 0001	Introductory Programming (WSTC Prep)	10
Term 2 of Study		
GEDU 0008	Tertiary Study Skills in Engineering (WSTC Prep)	0
MATH 0008	Mathematics 2 (WSTC Prep)	10
PHYS 0003	Foundation Physics 2 (WSTC Prep)	10
ENGR 1026	Introduction to Engineering Practice (WSTC)	10
ELEC 1008	Engineering Computing (WSTC)	10
Term 3 of Study		
MATH 1023	Mathematics for Engineers Preliminary (WSTC)	10
ENGR 1010	Engineering Materials (WSTC)	10
ENGR 1013	Engineering Physics (WSTC)	10
Term 4 of Study		
ELEC 1005	Electrical Fundamentals (WSTC)	10
ENGR 1020	Fundamentals of Mechanics (WSTC)	10
MATH 1018	Mathematics for Engineers 1 (WSTC)	10
<b>Total Credit Points</b>		<b>140</b>

## International Students

Subject	Title	Credit Points
---------	-------	---------------

Students must be enrolled in 7162 Diploma in Engineering Extended to complete this field of study.

Students must pass all Preparatory subjects (WSTC Prep) for which no advanced standing will be granted in the University degree program.

Note that students must pass 40 credit points from the following preparatory subjects prior to enrolling in the University level subjects listed below.

Term 1 of Study		
LANG 0042	Professional Communication Skills for Engineering (WSTC Prep)	10
LANG 0026	English for International Students 1 (WSTC Prep)	0
MATH 0006	Mathematics 1 (WSTC Prep)	10
PHYS 0001	Foundation Physics 1 (WSTC Prep)	10
COMP 0001	Introductory Programming (WSTC Prep)	10
Term 2 of Study		
GEDU 0008	Tertiary Study Skills in Engineering (WSTC Prep)	0
MATH 0008	Mathematics 2 (WSTC Prep)	10
PHYS 0003	Foundation Physics 2 (WSTC Prep)	10

ENGR 1026	Introduction to Engineering Practice (WSTC)	10
ELEC 1008	Engineering Computing (WSTC)	10
<b>Term 3 of Study</b>		
MATH 1023	Mathematics for Engineers Preliminary (WSTC)	10
ENGR 1010	Engineering Materials (WSTC)	10
ENGR 1013	Engineering Physics (WSTC)	10
<b>Term 4 of Study</b>		
ELEC 1005	Electrical Fundamentals (WSTC)	10
ENGR 1020	Fundamentals of Mechanics (WSTC)	10
MATH 1018	Mathematics for Engineers 1 (WSTC)	10
<b>Total Credit Points</b>		<b>140</b>