

# DIPLOMA IN ENGINEERING (7034)

**Approved Abbreviation:** DipEng

**Western Sydney University Program Code:** 7034

**AQF Level:** 5

**CRICOS Code:** 063562M

This program applies to students who commenced in Term 1, 2014 or later.

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

This program is delivered at Parramatta City Campus - George Street, by Western Sydney University International College (03663C) under a third party agreement.

The Diploma in Engineering is designed to engage students in, and further prepare students for, tertiary study in Engineering / Engineering Science and in so doing address any perceived deficiencies in the students' mathematical and physics knowledge and skills. The Diploma presents students with subjects from the first year of the Bachelor of Engineering (Honours) or Bachelor of Engineering Science degrees. The Diploma aims to produce students who are fully prepared for study beyond the first year of the Bachelor of Engineering (Honours) / Engineering Science degrees. The Diploma, completed in a smaller, more supportive learning environment than usually found in first year undergraduate programs, is designed to develop students to have greater ability in self-directed study and have the self-esteem that comes from prior achievement in a tertiary environment.

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 year full-time. Students will be required to attend the Kingswood or Parramatta South campus for some learning experiences.

## Program Advice

College Program Enquiries (<https://directory.westernsydney.edu.au/search/email/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
Parramatta City Campus-George Street	Full Time	Internal	See above

## Admission

The aim of the program is to prepare students for tertiary study in Engineering. The Diploma is accredited by the University, as principal, to enable its agent, Western Sydney University, The College to produce

students who are fully prepared for study beyond the first year of a tertiary award.

**Local students** entering this Diploma are required to have:

- Completed an English subject in the NSW Higher School Certificate, Or
- Competency in English at IELTS 6.0 equivalent (unless a native speaker) Or
- Passed the English test administered by Western Sydney University, The College at IELTS 6.0 equivalent Or
- Passed the Foundation Studies Academic English subject, offered by Western Sydney University, The College at C grade level or higher for which advanced standing can be applied for.

Assumed to have a background in mathematics at senior high school level and assumed background Science knowledge, preferably in Physics.

Met other entry requirements such as:

- An ATAR identified prior to the offer of a place (the ATAR will be set each year at a level below that for admission for the Bachelor of Engineering) or from 2016, the Bachelor of Engineering (Honours), Or
- Completed the Foundation Studies program offered by Western Sydney University, The College, with a Grade Point Average of 5.5 or higher.

**International students** entering the Diploma must satisfy one of the following language requirements:

- IELTS 6.0 with a minimum 5.5 in each sub band Or
- Completed the EAP 4 program offered by Western Sydney University, The College with a 50% pass Or
- Passed the English test administered by Western Sydney University, The College at IELTS 6.0 equivalent Or
- Passed the Foundation Studies Academic English subject, offered by Western Sydney University, The College at C grade level or higher for which advanced standing can be applied for.

Assumed to have background in mathematics at senior high school level and assumed background Science knowledge, preferably in Physics.

Academic Entry Requirements vary according to country of origin. However, in general:

- Completion of Year 12 or its equivalent is the minimum entry requirement Or
- Completed the Foundation Studies program offered by Western Sydney University, The College, with a Grade Point Average of 5.5 or higher.

## Program Structure

Students must pass the following subjects

Qualification for this award requires the successful completion of 100 credit points which include the subjects listed in the recommended sequence below.

Subject	Title	Credit Points
ELEC 1005	Electrical Fundamentals (WSTC)	10
ELEC 1008	Engineering Computing (WSTC)	10
ENGR 1010	Engineering Materials (WSTC)	10
ENGR 1013	Engineering Physics (WSTC)	10

ENGR 1020	Fundamentals of Mechanics (WSTC)	10
ENGR 1026	Introduction to Engineering Practice (WSTC)	10
MATH 1018	Mathematics for Engineers 1 (WSTC)	10
MATH 1023	Mathematics for Engineers Preliminary (WSTC)	10

Students must pass the following preparatory level subjects for which no advanced standing will be granted in the Western Sydney University degree program:

PHYS 0003	Foundation Physics 2 (WSTC Prep)	10
MATH 0008	Mathematics 2 (WSTC Prep)	10

Students must also pass the following non-award subject, which does not count for credit towards the Diploma:

GEDU 0008	Tertiary Study Skills in Engineering (WSTC Prep)	0
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<b>Total Credit Points</b>		<b>100</b>
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