

## Bachelor of Engineering Bachelor of Business (BEBB) - BEng BBus

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 907342

**This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the [Bachelor of Engineering \(Honours\) Bachelor of Business](#) which will be offered from S1 2014.**

	On-campus	External
<b>Start:</b>	No new admissions	No new admissions
<b>Campus:</b>	Toowoomba	
<b>Fees:</b>	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
<b>Standard duration:</b>	5 years full-time, 8 years part-time or external	
<b>Program articulation:</b>	From: <a href="#">Associate Degree of Engineering</a> ; <a href="#">Bachelor of Engineering Technology</a> ; <a href="#">Bachelor of Engineering</a>	

### Notes:

See note on part-time study within [Admission requirements](#).

## Contact us

Current students
<a href="#">Ask a question</a> Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email <a href="mailto:usq.support@usq.edu.au">usq.support@usq.edu.au</a>

## Professional accreditation

A graduate of this program is eligible to apply for membership of Engineers Australia as a graduate Engineer. After further professional development, a graduate member with a Bachelor of Engineering may apply for chartered status as a Professional Engineer and, when granted, may use the post-nominal MIEAust CPEng.

The Bachelor of Engineering program is accredited by Engineers Australia and, through an agreement reached between the professional engineering bodies of other countries (the Washington Accord), is also recognised in the United Kingdom, the United States of America, Canada, Ireland, Hong Kong, New Zealand and South Africa.

## Program aims

This combination of an Engineering program with a program in Business provides students with the opportunity to become qualified Engineers with a strong background in business principles and practice. There is an increasing need for engineering graduates to have business qualifications early in their career as they are often required to manage complex projects with both tight schedules and budgets. In some sectors of the industry a business qualification can be one of the criteria for promotion. Many engineers have completed a [Master of Business Administration](#) to satisfy this requirement. This program enables students to obtain qualifications in both disciplines at the same time.

The program offers students a high level of flexibility as they are able to choose wide ranging combinations of an engineering major and a business major that best suits their career aspirations.

For more details of the two programs that comprise this award, applicants are asked to refer to the [Bachelor of Business](#) and [Bachelor of Engineering](#) sections in this Handbook.

### **Program objectives**

Graduates of the Bachelor of Engineering and Bachelor of Business program will have met the separate objectives of the [Bachelor of Engineering](#) and the [Bachelor of Business](#) programs.

### **Admission requirements**

To be eligible for admission, applicants must satisfy the following requirements:

- have studied four semester units and achieved an exit assessment of 'Sound Achievement' or better in each of the following Queensland Senior Secondary School subjects: English and Mathematics B. It is recommended that applicants should also have satisfactorily completed the subject: Physics, or
- be able to demonstrate that they have achieved an equivalent standard in these subjects at another institution, and
- **Australian applicants:** have achieved a Queensland Ov

## Program structure

The program involves five years of full-time study and to be eligible for the combined award, full-time students must complete the requirements of the program within seven years of their initial enrolment in the program.

Students may apply for admission to study part-time or by distance education once they have completed 16 units of the Bachelor of Engineering program or if they are eligible for advanced standing of 16 or more units. This ensures that they are able to complete the program in the maximum duration of eight years.

Where students intend to complete the program using a combination of full-time and part-time study the maximum time for completion will be calculated on a pro-rata basis.

The combined Bachelor of Engineering and Bachelor of Business degree is a 40 unit program consisting of Academic courses and Practice courses.

**Academic** courses are normally one-unit courses that involve approximately 155 hours of student work per unit.

**Practice** courses are zero unit courses and each involves approximately 50 hours of student work. The only grades available for a Practice Course are Pass (P) and Fail (F). A Practice Course is designed to enable students to acquire specific competencies associated with their Engineering major study. These competencies range from specific practical and communication skills through to generic competencies relating to ethical and social responsibility, awareness of the environment, teamwork, etc. For an external student a Practice Course generally involves attendance on-campus for a one-week [residential school](#).

The components of the program are shown in the following table:

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neering Technology, the [Associate Degree of Engineering](#) or the [Diploma of Engineering Studies](#) may be permitted to exit with that award.

## Course transfers

Students who are enrolled in either the [Bachelor of Engineering](#) program or the [Bachelor of Business](#) program may transfer to the program with advanced standing. If they have completed up to one year of one of those programs they would normally be able to complete the program in the minimum time, after four more years of full-time study. Other students may require longer than the minimum time.

## Honours

The Bachelor of Engineering and Bachelor of Business may be awarded with Honours in the engineering component of the award. The class of honours to be awarded to a student is dependant upon:

- the Grade Point Average calculated from the grades achieved in the courses studied in, or transferred to the program;
- the grade achieved by the student in the courses [ENG4111 Research Project Part 1](#) and [ENG4112 Research Project Part 2](#) (unless the student is exempted from these courses).

The minimum levels of achievement normally required for each class of honours are shown in the following table. To be assured of achieving a particular class of honours students must have achieved the specified grade in the research project courses and the minimum GPA requirements for all of the courses studied, for the last 16 courses studied, or for the last eight courses studied.

Class of Honours	GPA Calculated from the Grades Achieved in:			Minimum Grade Achieved in Research Project Courses
	All Courses Studied in the Program	The Last 16 Courses Studied*#	The Last Eight Courses Studied*#	
First Class Honours	<b>6.0</b>	<b>6.2</b>	<b>6.5</b>	<b>A</b>
Second Class Honours - Division A	<b>5.5</b>	<b>5.7</b>	<b>5.9</b>	<b>B</b>
Second Class Honours - Division B	<b>5.0</b>	<b>5.1</b>	<b>5.3</b>	<b>C</b>
Minimum number of courses required	<b>20</b>	<b>16</b>	<b>8</b>	

### Footnotes

\* The results from courses [ENG4111](#) and [ENG4112](#) must be included (unless the student is exempted from these courses).

# The best results in a semester are to be used when not all of the results from a semester are required.

## Other information

To be eligible to graduate from the Bachelor of Engineering and Bachelor of Business, students must obtain an aggregate of at least 60 Days of suitable practical experience during their program. This experience may be in an engineering office or laboratory where the student would be working principally with professional engineers and engineering associates. It may, however, be preferable for students to spend some time in field or factory activities to gain insight into industrial practice and to see what is involved in converting designs into finished products. Students are required to enrol in [ENG4909 Work Experience - Professional](#) in the latter part of their program and keep a record of appropriate experience as specified in the Course Specification.

The work experience is to be endorsed by an appropriate person in the organisation providing the experience and submitted to the examiner. The student must meet all costs associated with the acquisition of practical experience to satisfy this requirement. The record of work experience must be made available for perusal by the Faculty of Health, Engineering and Sciences upon request. The acceptability or otherwise of employment experience, .912 1389Tm(acultmise of emplo65.841 1 68mise of067 417.4vt.923b1528 99.849 Tm(the F)T6ms Tw7.4vt.92

## **Recommended enrolment patterns**

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Due to the large number of combinations of engineering and business majors available separate recommended enrolment pattern tables are not printed in this Handbook.

Commencing on-campus students should enrol in the standard first year courses in the engineering major that they have selected. Towards the end of their first year they should consult the Faculty of Health, Engineering and Sciences for advice on the enrolment pattern to be followed in later years of the program.