

Bachelor of Engineering Science and Bachelor of Vocational Education & Training (BNBV) - BENS BVET New

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 907702; Distance education: 907705

Program structure

The combined Bachelor of Engineering Science and Bachelor of Vocational Education & Training program comprises 32 academic units and involves four years of full-time study or eight years of part-time study. The program is available in both on-campus and external mode of study. In order to be eligible for the award, students must complete the combined program within a maximum of six years of full-time study, or 10 years of part-time study, from the date of their initial enrolment.

The combined program consists of 19 core, 13 major study and six practical courses. Students enrolled in the program may undertake a professional specialisation in one of three major discipline areas:

- Civil Engineering
- Electrical and Electronic Engineering; or
- Mechanical Engineering

To satisfy the requirements of the program students must complete all the Academic and Practice courses in the following tables that show the recommended enrolment patterns for on-campus and external students. Students following a non-standard enrolment pattern should consult the [course synopses](#) to ascertain if a course is offered in another term.

Required time limits

Full-time students have a maximum of six years to complete this program. Part-time students have a maximum of 10 years to complete this program. A pro-rata adjustment of the maximum time period will apply for those students who transfer from one mode of study to another. A pro-rata reduction in the maximum time period will apply to students who are admitted to a program with advanced standing.

Practical experience

To be eligible to graduate from the Bachelor of Engineering Science, students must obtain an aggregate of at least 45 days of suitable Engineering 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 conv

young people. Further information about the “Blue Card” suitability process is available from the commission for Children and Young People.

IT requirements

Students should refer to the section entitled [Access to Information Technology Facilities](#) in the General Faculty and Program Information section of this Handbook.

Residential schools

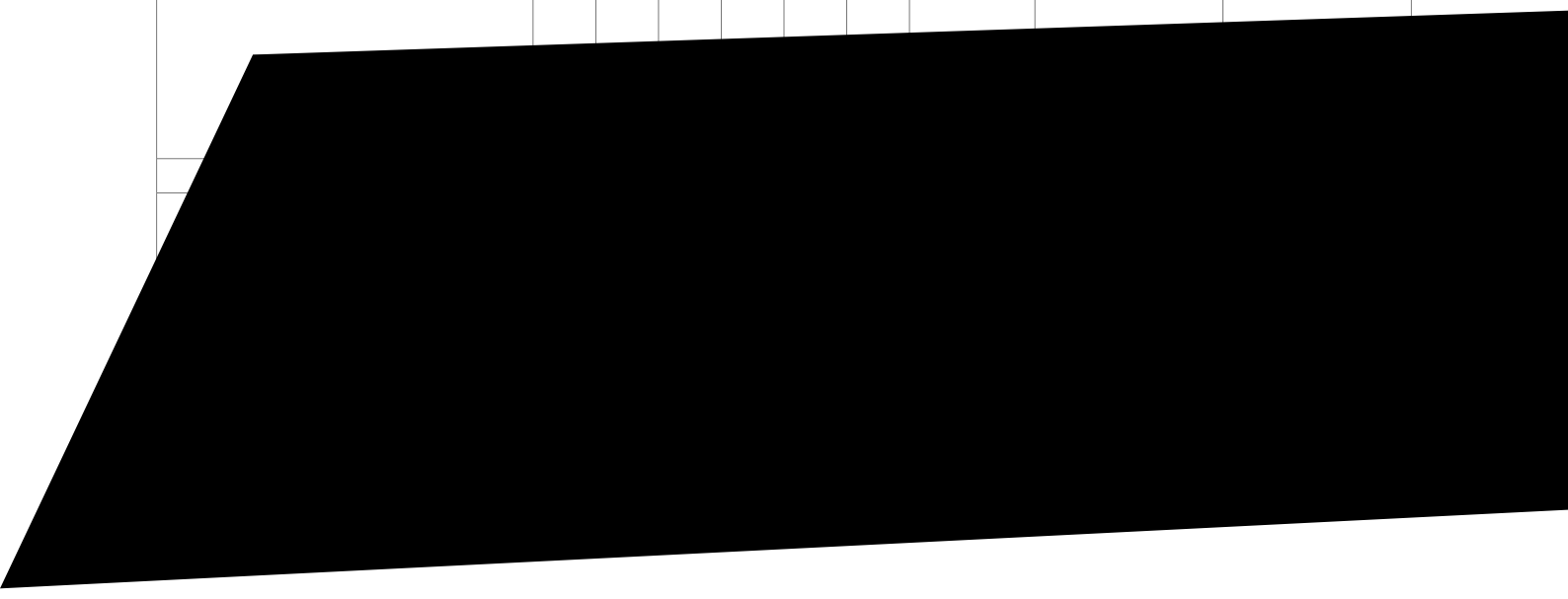
External students are required to attend a number of residential schools during their program. These are associated with Practice Courses and are normally conducted at the end of Semester 3 (February), or during the mid-semester recess in Semester 2 (September/October).

The practical and professional experience requirements for the program are shown within the recommended enrolment patterns in the following tables. Practice Courses are a compulsory part of the program. However, Practice Courses are zero credit point and they do not attract a student contribution charge for Australian Residents or a tuition fee for international students.

Students enrolled in the external offer of a Practice Course must attend the residential school for that course. In some cases students enrolled in the on-campus mode may also be required to attend the residential school. Students should only enrol in a Practice Course when they are able to attend the residential school for that course. Practice Courses may not be taken earlier than shown except with the permission of the Faculty of Health, Engineering and Sciences. In some cases students may enrol in two Practice Courses in one term so they can complete the two residential schools in a two-week period. The actual dates for each residential school are shown in the

for our Toowoomba campus. Students following a non-standard enrolment pattern should consult the [course synopses](#) to ascertain if a course is offered in another term.

	ACADEMIC YEAR												SEMESTER	COURSE	ENROLMENT	
COURSE	SEMESTER															
	1						2									
	2023		2024		2025		2026		2027		2028					



Major study: Electrical and Electronic Engineering (Major Study Code:16750)

Course	Year of program and semester in which course is normally studied						Residential school (compulsory /optional)	Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)				
	Year	Sem	Year	Sem	Year	Sem			
MEC1201 Engineering Materials	2	1	3	1,2,3					
EDC1200 Self, Education and Society	2	1	3			1			
ELE1301 Computer Engineering	2	1	4	1					
ELE2303 Embedded Systems Design	2	1	4	1					
ELE1801 Electrical Technology	2	2	3	2,3			Pre-requisite: EN G1500 or MAT1500 or ENM1500 or ENM1600 or Students must be enrolled in the following Program: MEPR		
ELE2503 Electronic Systems	2	2	3	2			Pre-requisite: ELE1502		
EDC1400 Foundations of Curriculum and Pedagogy	2	2	4			2	Pre-requisite: Students must have completed EITHER CMS1000 and ONE education course (EDC or EDH or EDO or EDU or EDX); OR TWO education courses (EDC or EDH or EDO or EDU or EDX). Students must be enrolled in BEDU, BECH or BVET.	25 hours professional experience and	
EDC2300 Assessment and Reporting	2	2	4			2			
ELE2601 Telecommunications Principles	3	1	5	1			Pre-requisite: (ELE1502 and ELE1801) or Students must be enrolled in one of the following Programs: GCEN or GDET or METC		
ELE2702 Electrical Measurement and Analysis	3	1	5	1			Pre-requisite: (EN G1500 or MAT1500 or ENM1500 or ENM1600) and ELE1801		
EDC2400 DiT	3	1	5	1					

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