

Bachelor of Engineering Technology (BETC) - BEngTech

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 907902; External: 907905;
Springfield campus: 927902

CRICOS code (International applicants): 013504B

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 [BENS Bachelor of Engineering Science](#) which will be offered from S1 2014.

	On-campus	External
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	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
Standard duration:	3 years full-time, 6 years part-time or external	
Program articulation:	From: Associate Degree of Engineering To: Bachelor of Engineering (Honours)	

Notes:

Please note that the Civil Engineering major and the Infrastructure Management major (formerly known as Building and Construction Management) are the only two majors that are available on-campus at Springfield.

Contact us

Current students
Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

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

Program aims

To equip graduates with the academic, personal, professional, and technical knowledge, skills and understanding required to commence practice as a Graduate Engineering Technologist in Australia or overseas within appropriate social, cultural, industrial and environmental contexts.

Program objectives

The objectives of the Bachelor of Engineering Technology program are:

- to enable students to acquire and demonstrate that they possess the specified graduate attributes and capabilities;
- to enable students to acquire an appropriate level of technical competence in one of the following fields: Agricultural Engineering, Infrastructure Management; Civil Engineering; Computer Systems Engineering;

Electrical and Electronic Engineering; Environmental Engineering; Mechanical Engineering or Power Engineering;

- to enable students from diverse and non-traditional backgrounds and locations to enrol in the program and to provide them with opportunities to acquire the skills necessary to complete the program in the normal time;
- to enable students to be empowered as learners through the provision of a wide range of teaching and learning styles and modes, in their program;
- to ensure that all students, regardless of the mode of study, have equality of opportunity in acquiring the specified graduate attributes and capabilities;
- to ensure that graduates are eligible for the Engineering Technologist Graduate grade of membership with Engineers Australia, and for membership of other appropriate professional bodies.

Program Information Set

View USQ's admission criteria, student profiles and a summary of all offers made under [Course Admission Information Set](#) via the QTAC website.

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 the Queensland Senior Secondary School subject: English and Mathematics B; 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 Overall Position (OP) band, or an equivalent Rank based on qualifications and previous work experience, at or above the specified cut-off level

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. Students are able to calculate the fees for a particular course via the [Course Fee Finder](#).

Program structure

The Bachelor of Engineering Technology program consists of core, major study and Elective components. Students enrolled in the Bachelor of Engineering T

of Health, Engineering and Sciences upon request. The acceptability or otherwise of employment experience, and the period of that type of experience that may be credited towards the 45 days, will be determined by the Examiner of ENG3909 Work Experience - Technologist.

IT requirements

Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following [minimum standards](#) as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. A notebook/laptop may be required for some courses.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: V = Voluntary; O = Optional; C = Compulsory; R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about [residential schools](#), visit the [Residential School Schedule](#) to view specific dates for your degree, or visit the [Policy and Procedure Library](#).

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 majority of the practical and professional experience requirements for the program are contained within the major recommended enrolment pattern. These are zero unit courses, which are a **compulsory part** of the program, however 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 School responsible for the program. 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 [Residential School schedule](#) in this Handbook.

Safety boots are compulsory in engineering laboratories for several of the Practice courses and are strongly recommended for all other Practice courses.

Articulation

Students who have completed an Associate Diploma or Associate Degree program in Engineering at a Queensland university within the last five years may be able to claim up to a maximum of 16 units of advanced standing in the Bachelor of Engineering Technology program if studying in the same discipline area. Students who have completed an Advanced Diploma program in engineering at a TAFE college within the last five years are eligible to claim up to a maximum of 12 units of advanced standing if studying in the same discipline area provided appropriate modules from the national curriculum have been completed. Students holding an Associate Diploma in Engineering who seek and gain significant advanced standing in the Bachelor of Engineering Technology program in the same field of study are not entitled to use both awards after graduation.

Students who have completed a Bachelor of Engineering Technology program, or equivalent, within the last five years may normally be able to claim up to a maximum of 16 units of advanced standing in the [Bachelor of Engineering](#). It is possible for students to be granted maximum credit (24 units) towards the [Bachelor of Engineering](#) but this **ONLY** applies to students who have applied for, and been granted, approval to undertake the 'Pathway to [Bachelor of Engineering](#)'. The amount of credit granted depends upon the field of study and

Electives completed in the Bachelor of Engineering Technology program and the field of study selected in the Bachelor of Engineering.

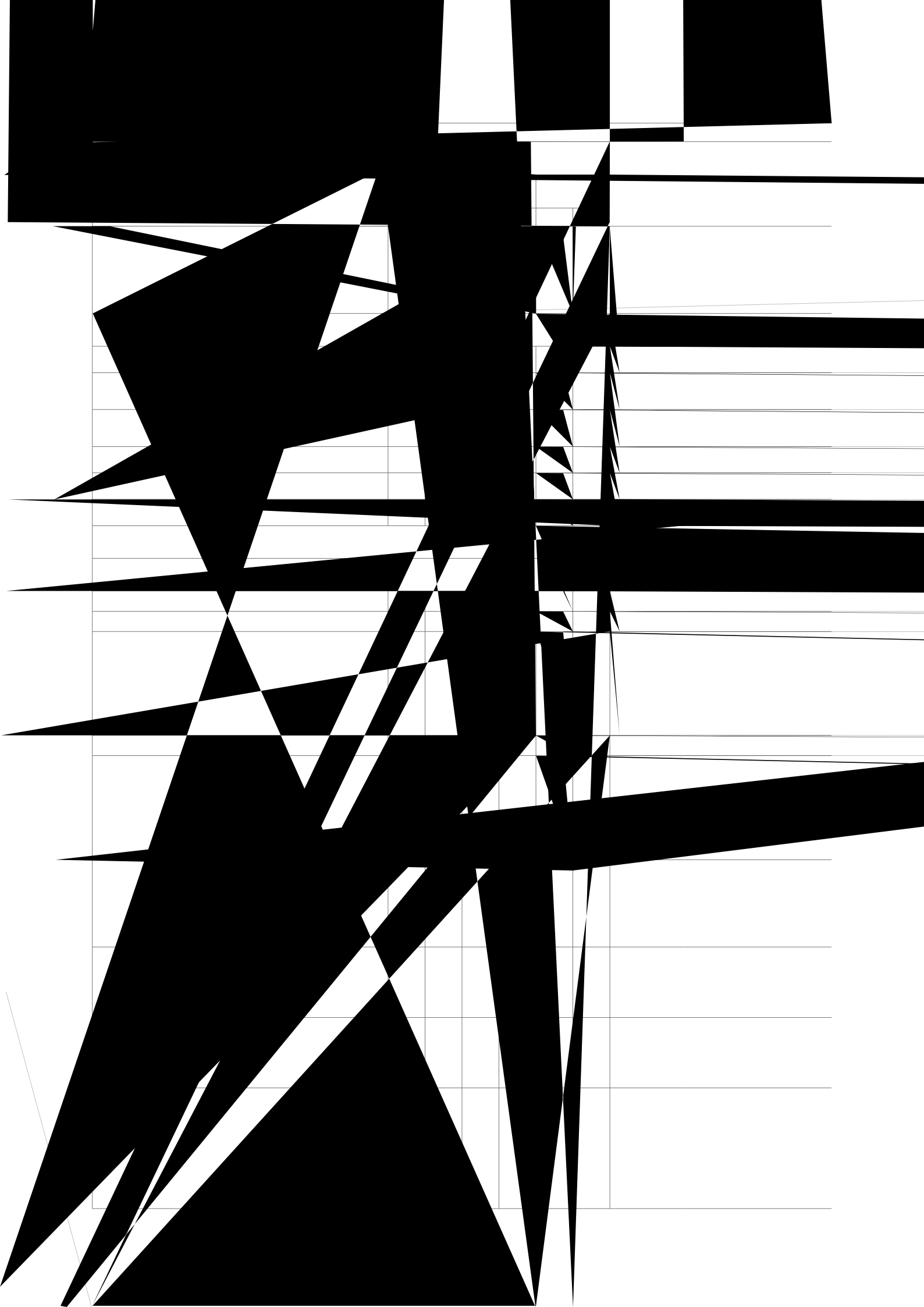
Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Engineering Technology and who satisfy all of the requirements of either the Associate Degree in Engineering or the [Diploma of Engineering Studies](#) may be permitted to exit with that award.

Other information

Engineering Pathways

A special Pathway has been developed for students who intend to study the Bachelor of Engineering (Honours) once they have completed the Bachelor of Engineering Technology program. Pathway to the [Bachelor of Engineering \(Honours\)](#) maximises the advanced standing (ex



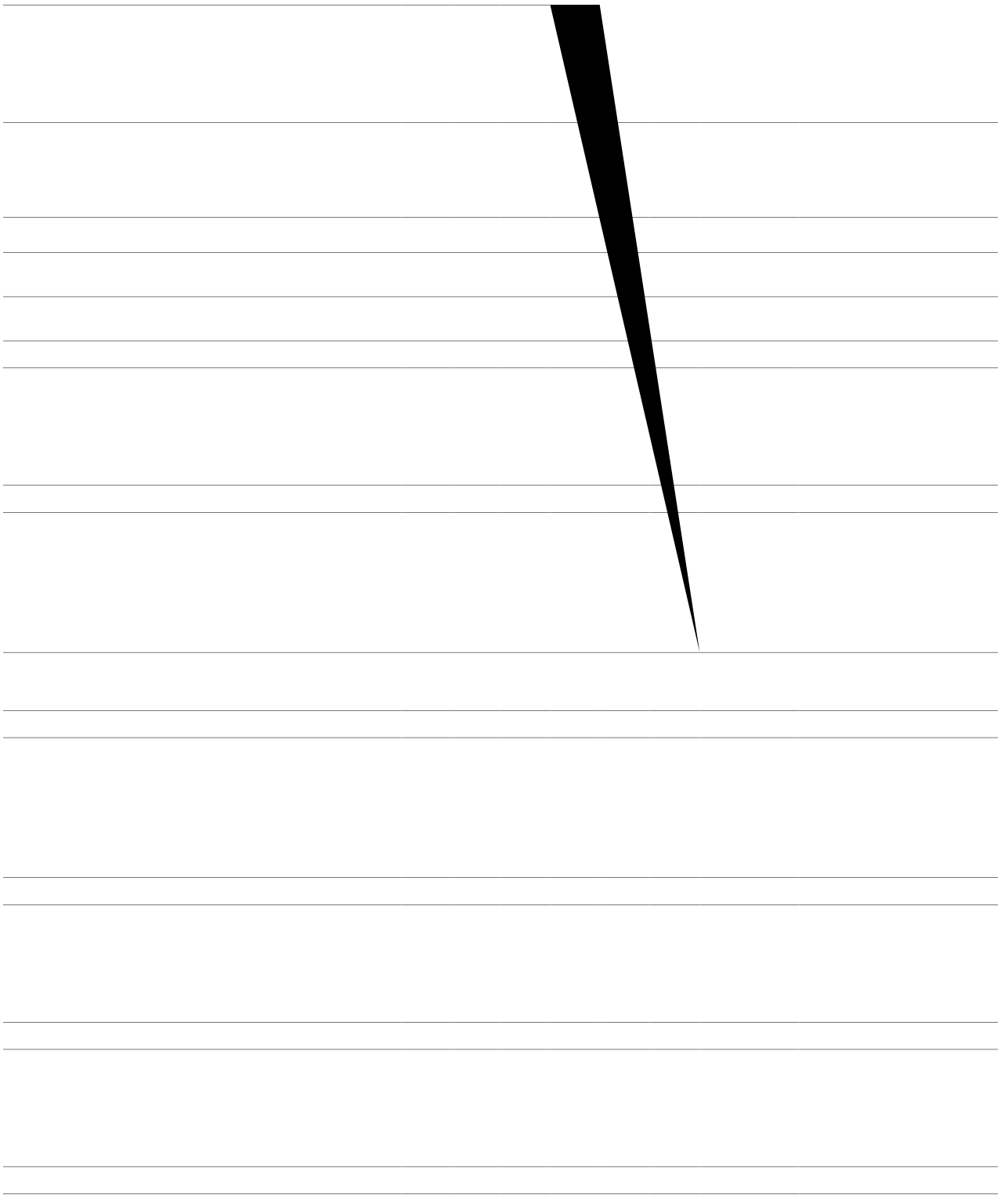
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Footnotes

- † The semester 3 offering of this course is offered in odd numbered years only.
- ^^ **ENG1901 Engineering Practice 1** is the first in a series of **Practice Courses** designed to enable students to acquire engineering and professional practice skills, including practical and teamwork skills, problem solving and engineering judgement. It is designed principally to cater for the needs of recent school leavers and those lacking any significant experience of the engineering workforce. **Students who have a trade certificate and who have been employed in the engineering industry for some time may be able to claim exemption from the course.**
- ^ On-campus students should enrol in the external mode.

Civil Engineering Major recommended enrolment pattern (Toowoomba and Springfield campus)

Students are able to enrol in any offered mode of a course (on-campus, external or online), rew 491.595 Tm(w)e

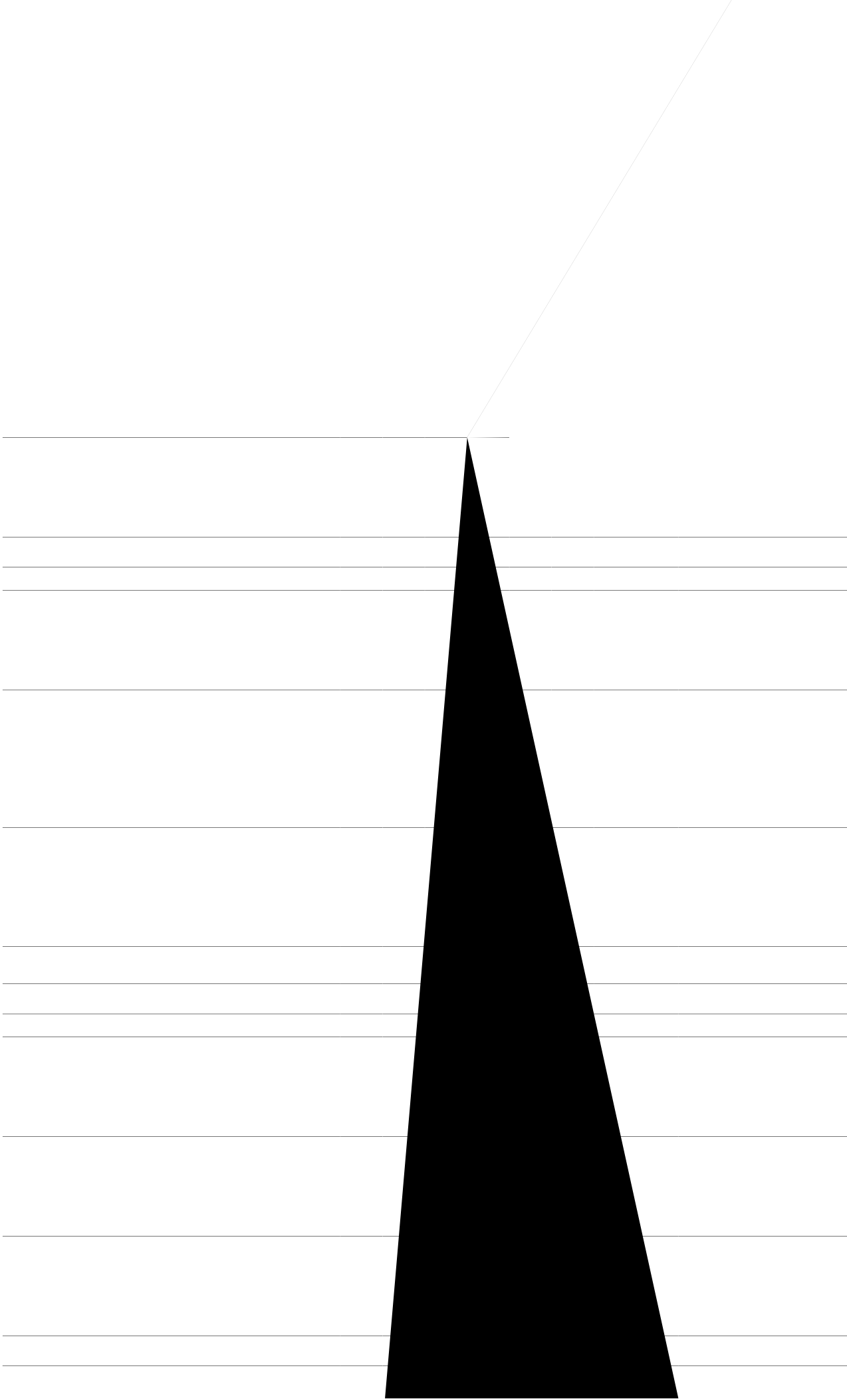


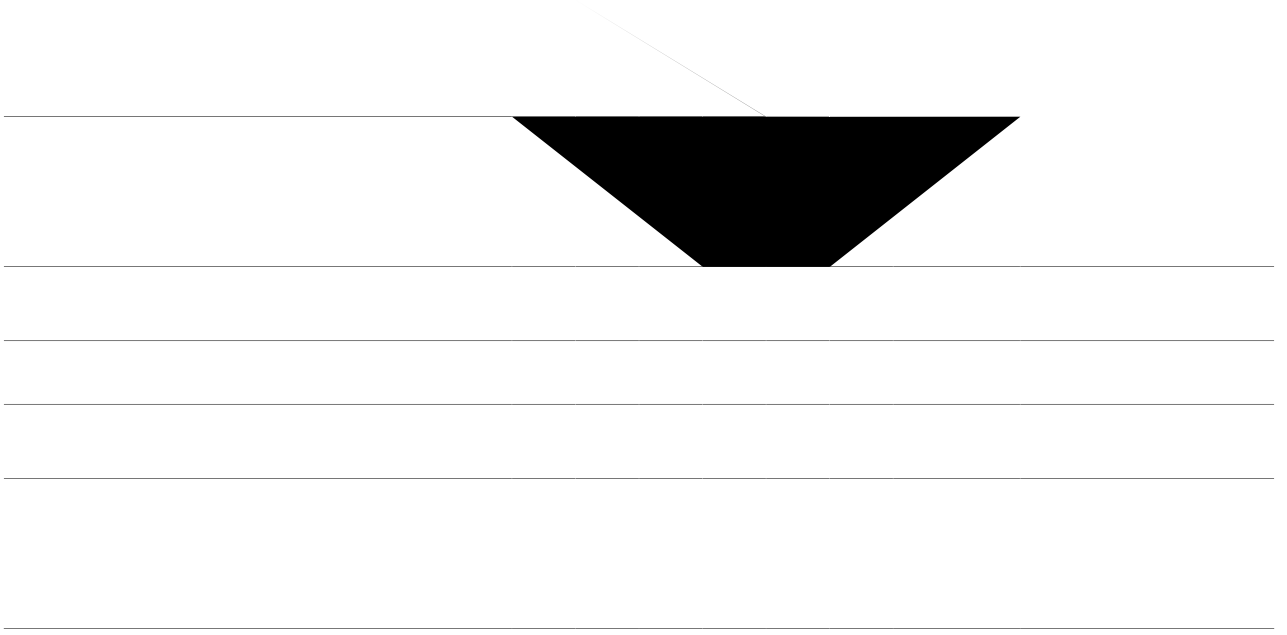
On entering the Bachelor of Engineering Technology in Electrical and Electronic Engineering external students are required to purchase a kit of tools comprising an electronic soldering iron, wire strippers, long nose pliers, diagonal cutter, safety glasses and an electronic prototyping 'breadboard'. These will first be required for [ELE2501 Electronic Workshop and Production](#) and [ELE1502 Electronic Circuits](#), and further details will be provided on commencement of these courses. Additionally, all students enrolled in course [ELE2501](#) will be required to purchase an electronic kit costing approximately \$50. For [ELE2702](#), access to an analogue multimeter and hook-up wire may be required, together with the purchase of some electronic components.

Students who have been granted an exemption in the course [ELE1801 Electrical Technology](#) are strongly advised to purchase the [ELE1801](#) study materials from the [USQ Bookshop](#) and work through these prior to attempting [ELE2702](#) or [ELE3803](#).

Pathways

The Pathway to the Bachelor of Engineering (Honours) program is available for this major. Please refer to [Other Information - Engineering Pathways](#) at the beginning of this program section.





Footnotes

- ~ Last offering 2019
- † The semester 3 offering of this course is offered in odd numbered years only.
- ^^ [ENG1901 Engineering Practice 1](#) is the first in a series of **Practice Courses** designed to enable students to acquire engineering and professional practice skills, including practical and teamwork skills, problem solving and engineering judgement. It is designed principally to cater for the needs of recent school leavers and those lacking any significant experience of the engineering workforce. **Students who have a trade certificate and who have been employed in the engineering industry for some time may be able to claim exemption from the course.**
- ^ On-campus students should enrol in the external mode.
- * Not available on-campus at Springfield in 2017.
- ‡ The semester 3 offering of this course is offered in even numbered years only.

Mechanical Engineering Major recommended enr



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