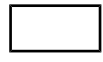


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- to enable students to acquire and demonstrate that they possess the specified graduate attributes and capabilities;
- to enable students to acquire an appropriate level of technical competence in one of the following fields: Agricultural Engineering,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

Admission requirements

Applicants shall normally:

- 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

Domestic and International Applicants from a non-English speaking background are required to satisfy [English language requirements](#).

If you do not meet the English language requirements you may apply to study a University-approved [English language program](#). On successful completion of the English language program, Applicants 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 your higher education and you as a student pay a [student contribution amount](#), which varies depending on the courses undertaken. You 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. You 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.

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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. You are able to calculate the fees for a particular course via the [Course Fee Finder](#).

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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

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 Science 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 Science program in the same field of study are not entitled to use both awards after graduation.

Students who have completed a Bachelor of Engineering Science 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 \(Honours\)](#). It is possible for students to be granted maximum credit (24 units) towards the [Bachelor of Engineering \(Honours\)](#) but this ONLY applies to students who have applied for, and been granted, approval to undertake the 'Pathway to [Bachelor of Engineering \(Honours\)](#)'. The amount of credit granted depends upon the field of study and Electives completed in the Bachelor of Engineering Science program and the field of study selected in the Bachelor of Engineering (Honours).

Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Engineering Science and who satisfy all of the requirements of either the Associate Degree in Engineering or the [Diploma in 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 Science program. Pathway to the [Bachelor of Engineering \(Honours\)](#) maximises the advanced standing (exemptions) students will receive in the Bachelor of Engineering (Honours) program. A Pathway to the [Bachelor of Engineering \(Honours\)](#) has been developed for each of the following Bachelor of Engineering Science majors into the equivalent Bachelor of Engineering (Honours) major:

- Agricultural Engineering
- Civil Engineering
- Computer Systems Engineering
- Electrical and Electronic Engineering
- Environmental Engineering
- Mechanical Engineering
- Power Engineering

Pathway to the [Bachelor of Engineering \(Honours\)](#) has been specially developed for students who study part-time. Full-time students may seek approval to follow the Pathway to the [Bachelor of Engineering \(Honours\)](#), but it is not timetabled for on-campus students.

Students must have the approval of the Faculty of Health, Engineering and Sciences to undertake the Pathway [Bachelor of Engineering \(Honours\)](#).

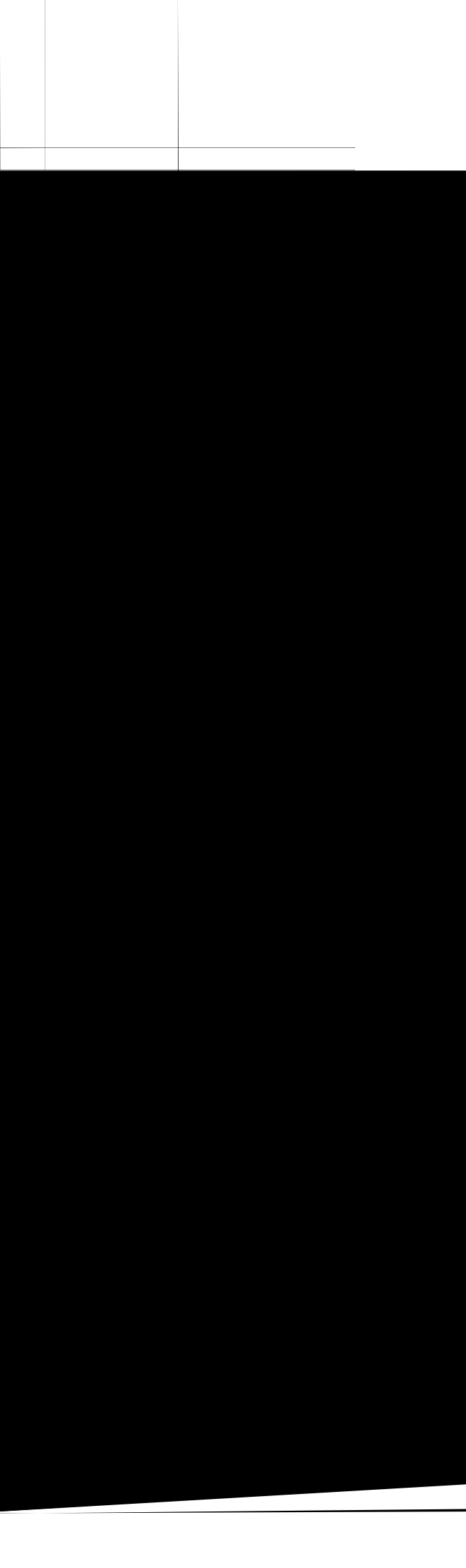
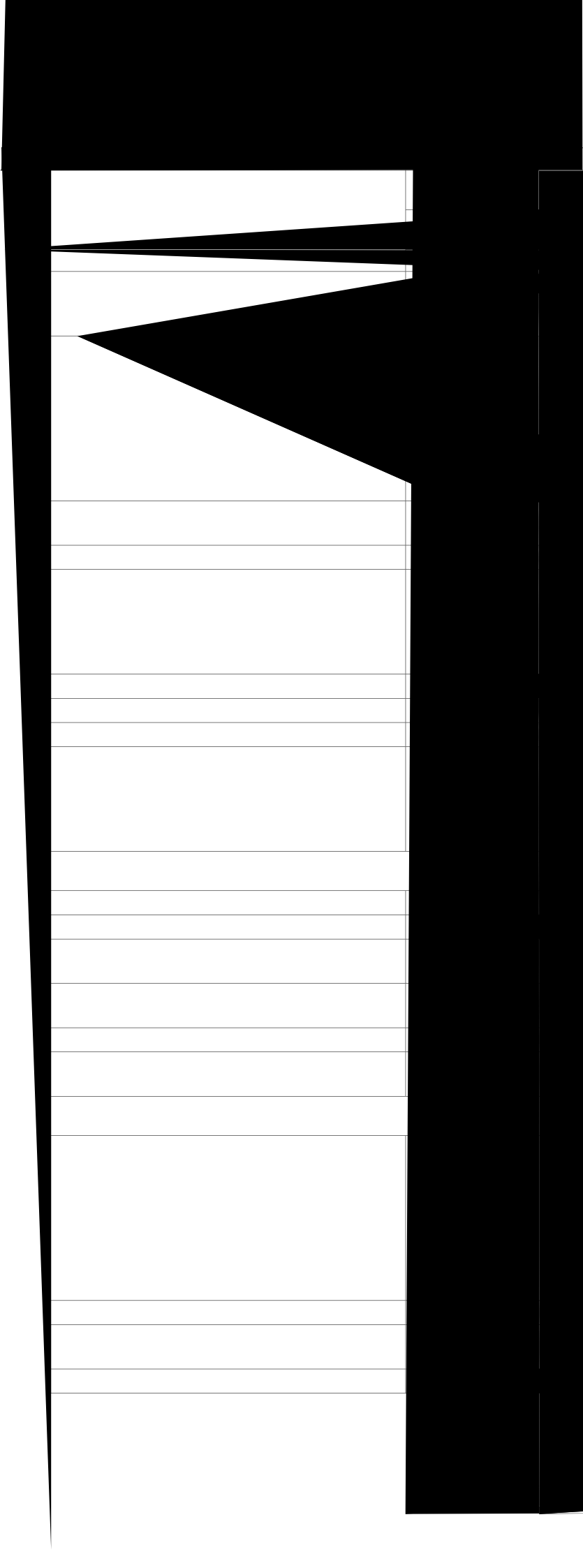
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for our Toowoomba campus. Students following a non-standard enrolment pattern should consult the [course synopses](#) section of this Handbook to ascertain if a course is offered in another term.

With approval from the Faculty of Health,53 1 RG1 0 0 1 505.Nineer11 Tf1 0 0 1 591 0 0 1 169.558 76F



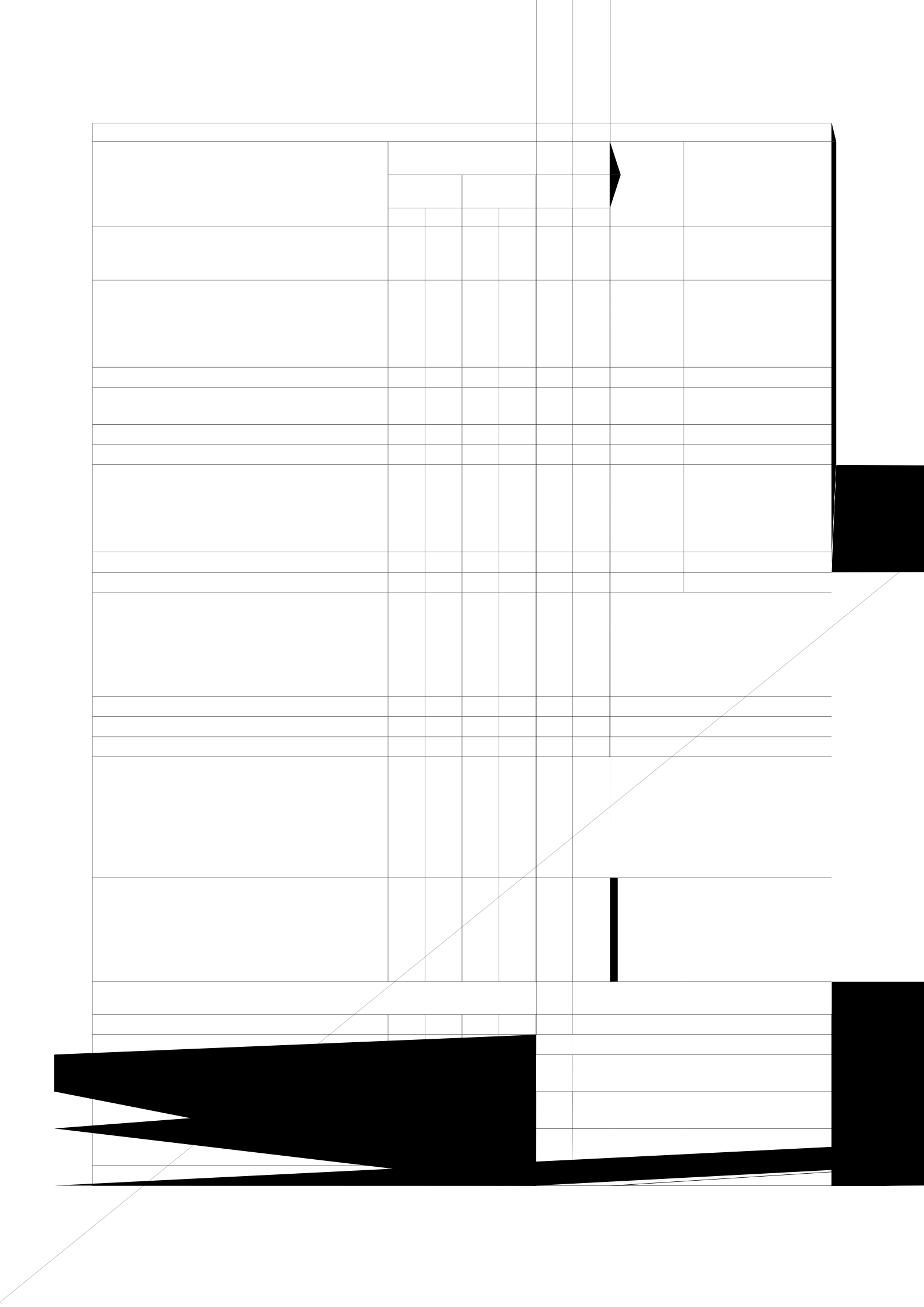
[^] Before enrolling in [ENG1901 Engineering Practice 1](#) is the first in a series of **Practice Courses** designed to enable students to acquire engineering and professional practice skills, including practical and teamwork skills, problem solving and engineering judgement. It is designed principally 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.**

[‡] The semester 3 offering of this course is offered in even numbered years only.

Electrical and Electronic Engineering Major recommended enrolment pattern

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

To satisfy the requirements of the program students must complete all of the Academic and Practice Courses in the following table that shows the recommended enrolment patterns for on-campus and external students for both Toowoomba and Springfield campuses. Students following a non-standard enrolment pattern should consult the [course synopses](#) section of this Handbook to ascertain if a course is offered in another term.





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](#).

Please contact the Faculty of Health, Engineering and Sciences for further information.

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