

Bachelor of Engineering (Honours) – non-Engineering Electives

Guidelines

The BE(Hons) and some BE(Hons) dual degrees permit credit for electives, sometimes called **free electives**. You are encouraged to choose electives from the BE(Hons) course list (from any major). The number of electives that may be credited to the BE(Hons)* will depend on your particular program and plan (major, dual major, extended major, or major + minor). You may also choose **non-Engineering** electives (courses not listed anywhere on the BE(Hons) course list) subject to the rules below and a limit of 4 units (#4) on level one non-Engineering courses.

As of 1 January 2017, you no longer need to seek approval for non-Engineering courses. All such UQ non-Engineering courses can be credited to the BE(Hons)*, except for:

- courses which do not fit in your program and plan (i.e. exceed the permissible number of non-Engineering electives in your program and plan (major, dual major, extended major or major + minor);
- first-year (level one) non-Engineering electives beyond the 4-units (#4) permitted;
- courses which are incompatible with any compulsory or elective course in your major (or dual major or extended major);
- foreign language courses incompatible with your prior knowledge or qualifications (e.g. a native speaker undertaking introductory courses); or
- courses on the banned list below (in the circumstances described below).

You should seek advice from the EAIT Faculty Office if in doubt as to whether a course can be counted towards the BE(Hons)*.

Banned Courses

Credit will **NOT** be granted for the following courses in the circumstances described below.

If you choose to enrol in a banned course it must be undertaken as a NON-AWARD course for which full tuition fees are payable upfront and the course will not count for credit towards the BE(Hons). Alternatively, you may choose to enrol in a dual degree and take the desired courses in the non-BE(Hons) part of the dual degree if permitted.

CHEM1090	<i>Introductory Chemistry</i> This course is not approved for students who have received a sound achievement or higher in Senior Chemistry or equivalent in High School or students who have completed or been given credit for any Chemistry course at UQ.
ECON1050	<i>Tools of Economic Analysis.</i> This course is incompatible with compulsory mathematics courses in the BE(Hons) and may not be credited towards the BE(Hons)* for any student.
ECON1310	<i>Quantitative Economic & Business Analysis A.</i> Students must complete the relevant engineering statistics course for their major.
MATH1040	<i>Basic Mathematics</i> This is a prerequisite for entry to the BE degree (equivalent to High School Maths B) so credit is not available for this course.
MATH1050	<i>Mathematical Foundations</i> This course is not approved for students who have received a high achievement (HA) in Maths C or equivalent in High School, or students who have already completed or been given credit for MATH1051 and/or MATH1052.
MGTS1201	<i>Transforming Business with Information Systems</i> Students in the Electrical and Computer Engineering and Software Engineering majors will not get credit for this course – they should take INFS1200 instead. This course is available to students in other majors.
PHYS1001	<i>Mechanics & Thermal Physics I</i> This course is not approved for engineering majors that include ENGG1400 and/or ENGG1500. It is only available to students undertaking majors in Electrical Engineering, Electrical and Biomedical Engineering, Electrical and Computer Engineering or Software Engineering.
PHYS1171	<i>Physical Basis of Biological Systems</i> This course is not approved for students who have received a sound achievement or higher in Senior Physics or equivalent in High School or students who have completed or been given credit for any Physics course at UQ.
SCIE1000	<i>Theory & Practice in Science</i> Students must gain credit for ENGG1100 and ENGG1200.
SCIE1100	<i>Advanced Theory & Practice in Science</i> Students must gain credit for ENGG1100 and ENGG1200.
STAT1201 STAT1301	<i>Analysis of Scientific Data</i> <i>Advanced Analysis of Scientific Data</i> Students must complete the relevant engineering statistics course for their major. Only students undertaking a dual BE(Hons)/BSc with a BSc major in statistics are permitted to enrol in these courses.

* or BE(Hons) component of a dual degree