THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Bachelor of Engineering (Honours) / Bachelor of Mathematics (BE(Hons)/BMath)

1   Definitions

In these rules—

BE(Hons) core courses means those courses listed in the core courses section in the BE(Hons) section of the BE(Hons)/BMath course list;

BE(Hons) major means a prescribed combination of 16 units from the BE(Hons) section of the BE(Hons)/BMath course list;

BE(Hons) minor means a prescribed combination of 8 units from the BE(Hons) section of the BE(Hons)/BMath course list;

BE(Hons) specialisation means a prescribed combination of 36 units from the BE(Hons) section of the BE(Hons)/BMath course list;

BMath major means a prescribed combination of 16 units from the major section of the BMath section of the BE(Hons)/BMath course list.

2   Program requirements

(1)   To complete the program, a student must complete 80 units from the BE(Hons)/BMath course list, comprising—

   (a)   60 units from the BE(Hons) component, comprising—

   (i)   8 units for BE(Hons) core courses; and

   (ii)   52 units for either –

   (A)   36 units for a BE(Hons) specialisation and 16 units for a BE(Hons) major, or

   (B)   36 units for a BE(Hons) specialisation and 8 units for a BE(Hons) minor and 8 units from specified BE(Hons) electives relevant to the specialisation, or

   (C)   36 units for a BE(Hons) specialisation and 16 units from specified BE(Hons) electives relevant to the specialisation; and

   (b)   20 units from the BMath component, comprising—

   (i)   4 units for MATH1061, and either MATH2400 or MATH2401; and

   (ii)   16 units for a BMath major.

(2)   Unless a different intention appears in these rules, a student must comply with the program rules for both constituent degrees.

3   Special rules

3.1   Courses in both course lists

(1)   All common core and compulsory courses must be counted towards the BE(Hons) component of the dual program and replaced in the BMath component with a course from the BMath course list at the same level or higher.

(2)   Where a course is compulsory in one component of the dual program, but not in the other, it must be counted towards the component in which it is compulsory.

(3)   Where there is a choice as to which courses count toward each component of the dual program, the highest graded courses shall count towards the BE(Hons) component and the balance toward the BMath component.

3.2 Course substitutions

(1) A student undertaking a BE(Hons) specialisation in Electrical Engineering, Mechanical Engineering or Mechatronic Engineering must complete MATH2100 towards the BMath component, and

    (a)   if undertaking a BMath major in Applied Mathematics, Data Analytics and Operations Research or Statistics, must complete STAT1301 towards the BE(Hons) component in place of MATH2010 and STAT2201; or

    (b)   if undertaking a BMath major in Mathematical Physics or Pure Mathematics, must complete STAT2203 towards the BE(Hons) component in place of MATH2010 and STAT2201.

(2) A student undertaking a BE(Hons) specialisation in Chemical Engineering, Civil Engineering or Software Engineering, and a BMath major in Applied Mathematics, Data Analytics and Operations Research or Statistics must complete STAT1301 towards the BE(Hons) component, and is exempt from the requirement to gain credit for STAT2203, CIVL2530 or CHEE2010 towards the BE(Hons).