Alternative Pathways into the BE(Hons) via the Faculty of Science

The Faculty of Engineering is happy to give consideration to students who missed out on admission to the Bachelor of Engineering (Honours) programme, (or who did not study either calculus or physics at Year 13 level), who are able to demonstrate sufficient ability in engineering-related study, especially calculus and physics, under a Bachelor of Science (BSc) or a Certificate of Proficiency in Science (CoP).

The following information applies for 2015 admissions.

1. COMPLETION OF MISSING SUBJECT REQUIREMENT AT SUMMER SCHOOL

Candidates who do not have a background in one of calculus or physics but meet (or expect to meet) all other requirements for entry to the Bachelor of Engineering (Honours) programme can attempt to make up the missing subject knowledge via enrolment in MATHS 102 or PHYSICS 103 at Summer School. Candidates who meet all other requirements and pass their Summer School enrolment with a B or better would be considered eligible for admission to the BE(Hons), subject to the availability of places.

Summer School runs from Tuesday 6 January to Wednesday 18 February 2015.

Applicants would need to apply for admission under a Certificate of Proficiency in Science in Summer School and also have applied for the Bachelor of Science in addition to the BE(Hons), as any potential offer of place into the BE(Hons) would only be confirmed once your Summer School results are released in the last week of February and subject to the availability of places remaining in the programme at that time.

For further information regarding admission and enrolment in these courses at Summer School, please contact the Faculty of Science Student Centre.

2. ADMISSION FOLLOWING ONE SEMESTER OF A BACHELOR OF SCIENCE (BSc)

A minimum of 30 places will be available for Semester Two entry on this basis.

Subject to the availability of places in Part I, the faculty will consider for admission students who achieve a minimum GPA of 5.0 (a ‘B’ grade average) across 60 points of study and a minimum ‘B’ grade in appropriate agreed courses in maths and physics (see below for more details).

If the faculty receives applications from more than 30 eligible applicants, eligible candidates will be ranked according to their GPA in Semester One and selected accordingly. (Note: Consideration will not be given to school results or rank-scores achieved in Year 12 and 13 of school study.)

Offers will be confirmed by the faculty after course results are released at the end of the first semester.

Students seeking Semester Two admission must apply online by 1 July 2015.
a. AGREED COURSES
To fulfil the Alternative pathway requirements for admission in Semester Two, students must be enrolled full-time in the following courses (subject to availability):

- **MATHS 108 or MATHS 150 (required)**
- **PHYSICS 120 or PHYSICS 160 (required)**
- **A General Education course** that can be counted toward either a BSc or BE(Hons).
- One other Science course from the approved courses list (see list attached). These courses have been approved by the Faculty of Engineering as creditable toward a BE(Hons) should your application for admission be successful.

Please note that students who take a course which does not appear on the Faculty of Engineering approved list of courses will still be eligible to apply under the Alternative Pathway but will not be eligible for a full semesters credit towards Part I of the BE(Hons) degree.

b. FURTHER CONDITIONS FOR ADMISSION IN SEMESTER TWO
If admitted to the BE(Hons) in Semester Two, you will be expected to enrol in the following courses:

- CHEMMAT 121 – Materials Science
- ELECTENG 101 – Electrical and Digital Systems
- ENGGEN 115 – Principles of Engineering Design
- ENGGEN 131 – Introduction to Engineering Computation and Software Development

3. ADMISSION FOLLOWING A FULL YEAR IN THE BSc
For students who fail to secure one of the 30 places available in Semester Two, there is still the opportunity to transfer into Part I of the BE(Hons) after a full year in the BSc (minimum 100 points).

To be considered eligible, students would need to achieve a minimum GPA of 5.0 throughout the full academic year AND at least a 'B' in appropriate courses in Maths and Physics. (MATHS 208 and PHYSICS 150 are acceptable for students who have passed MATHS 108/150 and/or PHYSICS 120/160 with a grade lower than 'B').

Offers remain subject to the availability of places and may only be confirmed once all school leaver applications have been considered.

4. CREDIT
Only students offered a place into Part I of the BE(Hons) in Semester Two via the Alternative Pathway will be permitted to credit their entire Semester One BSc enrolment toward their BE(Hons) Part I – provided all courses are from the approved courses list and your General Education course is from the appropriate schedule approved for the BE(Hons) and BSc.

Students offered a place in Part I of the BE(Hons) in Semester One may be granted some credit from their BSc, but in most cases study would be at the BE(Hons) Part I level.

(A minimum 'B' grade is required in any relevant course for the stated substitution/credit to be formally approved.)

For further information about admission into the BE(Hons) please contact the Engineering Student Centre

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