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Graduate Certificate in Engineering

Graduate Diploma in Engineering

Master of Engineering

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2000 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course resolutions

1 Course codes

Code	Course title
HG027	Graduate Certificate in Engineering
HF044	Graduate Diploma in Engineering
HC048	Master of Engineering

2 Attendance pattern

The attendance pattern for this course is full time or part time according to candidate choice.

3 Embedded courses in this sequence

- (1) The embedded courses in this sequence are:
 - (a) the Graduate Certificate in Engineering
 - (b) the Graduate Diploma in Engineering
 - (c) the Master of Engineering
- (2) Providing candidates satisfy the admission requirements for each stage, a candidate may progress to the award of any of the courses in this sequence. Only the longest award completed will be conferred.

4 Admission to candidature

- (1) Available places will be offered to qualified applicants in the order in which complete applications are received, according to the following admissions criteria.
- (2) Admission to the Graduate Certificate in Engineering requires a bachelor's degree from the University of Sydney or equivalent qualification.
- (3) Admission to the Graduate Diploma in Engineering requires:
 - (a) a bachelor's degree from the University of Sydney or equivalent qualification; or
 - (b) completion of the embedded graduate certificate.
- (4) Admission to the Master of Engineering requires:
 - (a) a Bachelor of Engineering from the University of Sydney or equivalent qualification with a credit average; or
 - (b) completion of the embedded graduate diploma or graduate certificate with a minimum credit average.
- (5) Additional admission requirement for the Chemical and Biomolecular and the Biomedical streams:
Admission to the Chemical and Biomolecular Engineering or the Biomedical Engineering requires completion of prerequisites equivalent to 12 credit points of mathematics, six credit points of computing and six credit points of biology, chemistry or related fundamental science units.
- (6) In exceptional circumstances the Dean may admit applicants without these qualifications who, in the opinion of the faculty, have qualifications and evidence of experience and achievement sufficient to successfully undertake the award.

5 Requirements for award

- (1) The units of study that may be taken for the courses are set out in the table of units of study: Graduate Certificate in Engineering/Graduate Diploma in Engineering/Master of Engineering.
- (2) To qualify for the award of the Graduate Certificate in Engineering a candidate must complete 24 credit points of units of study from the prescribed tables.
- (3) To qualify for the award of the Graduate Diploma in Engineering a candidate must complete 36 credit points of units of study from the prescribed tables.
- (4) To qualify for the award of the Master of Engineering a candidate must complete 48 credit points, including:
 - (a) 24 credit points of fundamental and/or specialist units of study from a relevant specialisation; and
 - (b) 12 credit points of professional or research pathway units of study from a relevant specialisation; and
 - (c) 12 credit points of elective units of study, except for Civil Engineering, Electrical Engineering and Mechanical Engineering specialisation, where these 12 credit points must be chosen from specialist units of study; and
 - (d) candidates must complete a specialisation in one of the areas listed below.

6 Specialisations

Completion of a specialisation is a requirement of the Master of Engineering. A specialisation requires the completion of prescribed units of study listed in the table for that specialisation. The specialisations available are:

- (a) *Chemical and Biomolecular Engineering specialisations*
 - (i) Biophysical Processes
 - (ii) Chemical and Biomolecular Engineering



- (III) Environmental Engineering
- (IV) Sustainable Processing
- (b) *Civil Engineering specialisations*
- (I) Civil Engineering
- (II) Environmental Fluids
- (III) Geotechnical Engineering
- (IV) Structural Engineering
- (c) *Electrical and Information Engineering specialisations*
- (I) Electrical Engineering
- (II) Network Engineering
- (III) Power Engineering
- (IV) Wireless Engineering
- (d) *Aerospace, Mechanical and Mechatronic Engineering specialisations*
- (I) Biomedical Engineering
- (II) Mechanical Engineering

7 Research Pathway

A candidate for the Master of Engineering must complete 24 credit points of units of study with an average mark of at least 75 or be given approval at the discretion of the postgraduate program director, before taking Research Pathway units.

8 Course transfer

- (1) A candidate for the master or graduate diploma may elect to discontinue study and graduate with a shorter award from this embedded sequence, with the approval of the Dean, and provided the requirements of the shorter award have been met.
- (2) A candidate who has had a certificate or diploma in this sequence conferred may apply for transfer of 12 credit points to the Master of Engineering.

9 Transitional provisions

- (1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011 who elect to proceed under these resolutions.
- (2) Candidates who commenced prior to 1 January, 2011 may complete the requirements in accordance with the resolutions in force at the time of their commencement..