

Doctor of Engineering (Honours) (Electrical)

Program Code: 3707

Program and Course Terminology

Terminology	Definition
Credit Transfer	Credit transfer is also known as 'advanced standing, ¥ H G
	Students must complete 168 UOC (29 courses) to satisfy the core requirements of the Electrical stream and complete a minimum of 60 days in Industrial Training to graduate.
Level 1 Core Courses	Students must take 48 UOC (8 2
Level 4 Core Courses	Students must take 24 UOC (5 courses) in Level 4 Core Courses. The thesis comprises of 3 courses at 4 UOC each.
Professional Electives	Students must take up to 6 UOC (1 course) from the Breadth Elective list and at least 12 UOC (2 courses) from the Discipline Elective list.

Students admitted to the Bachelor of Engineering (Honours) (Electrical Engineering) [BE (Hons) (Electrical)] who have completed a qualification under the following TAFE Training Packages are eligible for credit transfer:

UEE62220	Advanced Diploma of Electrical Engineering
UEE50420	Diploma of Electrical Engineering
UEE60220	Advanced Diploma of Electronics and Communications Engineering
UEE50520	Diploma of Electronics and Communications Engineering

Credit transfer of 30 UOC (or more*) towards the BE (Hons) (Electrical) will be given for the following courses:



Option 1*: HSC Extension 1 (demonstrated in UAC application)

Option 2*: [MATH1011 \(Fundamental of Mathematics\)](#) (undertaken on UNSW enrolment and RPL reduced accordingly)**

Option 3*: [UNSW Maths Bridging Course](#) (undertaken on UNSW enrolment and not opting to undertake Maths1011)

** All options assume pre-existing knowledge of HSC Advanced Mathematics, which can be obtained through HSC Advanced Mathematics, or [TAFE Essential Mathematics for Higher Education](#) (TAFE Essentials). There is no direct equivalent offered at UNSW.*

***MATH1011 is equivalent to HSC Extension 1 mathematics and runs over a term. It has a restricted offering, and the enrolments structure/ permissions need to be worked out in consultation with the School of Maths and Stats for TAFE pathway students wishing to pursue BE (Hons) (Electrical).*

HSC Physics

A minimum expected background in physics equivalent to HSC Physics is needed to successfully undertake Physics 1A, a compulsory first year course. HSC Physics knowledge can be demonstrated (or undertaken) through the following options:

Option 1: HSC Physics (demonstrated in UAC application)

Option 2: [PHYS1111 \(Fundamental of Physics\)](#) (undertaken on UNSW enrolment and RPL reduced accordingly)

Option 3: [UNSW Physics Bridging Course](#) (undertaken on UNSW enrolment and not opting to undertake PHYS1111)

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Sample Study Plan

Eligible Credit Transfer: 30 UOC (or more)*

Please note this is a sample study plan based on Term 1 commencement to be used as a guide only. Courses are subject to term course offerings, refer to the Handbook and Class Timetable to adjust study plan in line with course availability. It is recommended that students seek enrolment progression advice from their school prior to selecting subjects.

First Year



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Third Year		
Term 1	Term 2	Term 3
ELEC3106 Electronics	ELEC3117 Electrical Engineering Design	Industrial Training
Discipline Elective	ELEC3105 Electrical Energy	

General Education

* Additional credit transfer may be assessed following admission on a case-by-case basis for Advanced Diploma qualifications. Once credit has been applied, students will note that some study terms will present a lighter load of courses due to the limited offering of most courses in the BE (Hons) (Electrical).

