Overview

Design is one of the critical foundations of engineering and a main component in creating value. A good engineer has complex technical skills, but also creative skills, project management and teamworking skills, and knowledge of professional ethical standards in design.

DESN2000 aims to further develop your skills in engineering design with a particular focus on the early stages, where innovative concepts are created in response to open-ended problems. These skills will be developed in the context of an engineering project, with a focus on three areas: (1) research techniques needed to understand design problems and discover concepts, (2) technical skills needed to build a concept, and (3) evaluation methods for evaluating the concept. Alongside the development of design skills, the course also aims to develop your readiness for professional practice by deepening your understanding and skills in effective project management, teamwork and communication.

The course builds on the teamwork, communication, and project management skills introduced in ENGG1000. Skills learned in DESN2000 are further deepened in DESN3000, which will develop skills for managing design in commercial context.

With ENGG1000 and DESN3000, DESN2000 provides design skills described in Engineers Australia’s Stage 1 Competencies, especially competencies 1.3, 1.5, 1.6; 2., 2.3; and 3.2 and 3.6.

Students who require DESN2000 should enrol in a specific term according to their Engineering Specialisation:

Term 2:

- Students with specialisations offered by the School of Electrical Engineering
Term 3:

- Students with specialisations offered by the School of Mechanical and Manufacturing Engineering
- Students with specialisations offered by the School of Photovoltaic and Renewable Energy Engineering
- Students with specialisations offered by the School of Civil and Environmental Engineering
Faculty
Faculty of Engineering

Study Level
Undergraduate

Offering Terms
Term 2, Term 3

Campus
Kensington

Delivery Mode
Fully on-site

Indicative contact hours
7

Timetable
Visit timetable website for details
Conditions for Enrolment

Please refer to the course overview section for information on prerequisite requirements.
Equivalent Courses

ELEC2142 6 UOC
Embedded Systems Design

MMAN2100 6 UOC
Engineering Design 2

CVEN3031 6 UOC
Civil and Environmental Engineering Practice

SOLA2052 6 UOC
Project in Photovoltaics and Renewable Energy 2
## Fees

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<tr>
<td>Commonwealth Supported Students</td>
<td>$1191</td>
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<tr>
<td>Domestic Students</td>
<td>$5970</td>
</tr>
<tr>
<td>International Students</td>
<td>$5970</td>
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**DISCLAIMER**

Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the [fee website](#).

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179