Overview

The Master of Philosophy is a research degree with a coursework component taken over four sessions full-time or equivalent. The research component will lead to a thesis which embodies the result of an original investigation, design or engineering development. A program of advanced study comprising 3 courses (18 Units of Credit) makes up the remainder of the program.

For lists of Advanced Disciplinary Knowledge and Disciplinary Knowledge courses, consult the Chemical Engineering stream in the 8338 Master of Engineering Science program (CEICJS).

This coursework component of the degree must be completed during the first 2 sessions (full-time equivalent) of a student's enrolment in the program.
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
<th>Faculty of Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>School</strong></td>
<td>School of Chemical Engineering</td>
</tr>
<tr>
<td><strong>Study Level</strong></td>
<td>Research</td>
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<tr>
<td><strong>Minimum Units of Credit</strong></td>
<td>72</td>
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<tr>
<td><strong>Specialisation Type</strong></td>
<td>Research</td>
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Available in Program(s)

Program(s) in which this research is available

Master of Philosophy - **MPhil**

**2645 Engineering**

Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 72
Typical Duration: 1.7 Years
Specialisation Structure

Students must complete 72 UOC.

Core Courses

Students must take 6 UOC of the following courses.

GSOE9400 | 6 UOC
Engineering Postgraduate Research Essentials

Advanced Disciplinary Knowledge Courses

Students must take at least 6 UOC, up to a maximum of 12 UOC of the following courses.

CEIC8105 | 6 UOC
Advanced Polymer Science and Research

CVEN9701 | 6 UOC
Engineering Economics and Financial Management

CVEN9731 | 6 UOC
Project Management Framework

CVEN9888 | 6 UOC
Environmental Management

CVEN9892 | 6 UOC
Sustainability Assessment and Risk Analysis

FOOD9101 | 6 UOC
Complex Fluid Microstructure and Rheology

GSOE9017 | 6 UOC
Managing Energy Efficiency
GSOE9210 | 6 UOC  
Engineering Decision Structures

GSOE9340 | 6 UOC  
Life Cycle Engineering

GSOE9510 | 6 UOC  
Ethics and Leadership in Engineering

GSOE9810 | 6 UOC  
Process and Product Quality in Engineering

GSOE9820 | 6 UOC  
Engineering Project Management

GSOE9830 | 6 UOC  
Economic Decision Analysis in Engineering

SOLA9016 | 6 UOC  
Sustainable Energy in Developing Countries

**Disciplinary Knowledge Courses**

Students can take up to a maximum of 6 UOC of the following courses.

CEIC8104 | 6 UOC  
Topics in Polymer Technology

CEIC8205 | 6 UOC  
Fuel and Energy Engineering

CEIC8311 | 6 UOC  
Instrumental Analysis in the Proc Industries

CEIC8330 | 6 UOC  
Process Engineering in the Petroleum Industry
Research Component

Students undertake a research component over four semesters of full-time study, or the equivalent. The research component will lead to a thesis which embodies the result of an original investigation, design or engineering development.

Enrolment Disclaimer

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179