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 UOC) makes up the remainder of the program.

For lists of Advanced Disciplinary Knowledge and Disciplinary Knowledge courses, consult the 8037 Master of Food Science program (stream FOODKS) or the Food Process Engineering stream of the 8338 Master of Engineering Science program (FOODNS).

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>
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<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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</table>
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 Course**

Students must take 6 UOC of the following courses.

- **GSOE9400 | 0 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.

- **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

- **FOOD9100 | 6 UOC**
  
  Advanced Processing Technologies

- **FOOD9101 | 6 UOC**
  
  Complex Fluid Microstructure and Rheology

- **FOOD9102 | 6 UOC**
  
  Sensory Analysis of Foods
Disciplinary Knowledge Courses

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

CEIC8311 | 6 UOC
Instrumental Analysis in the Proc Industries

FOOD8000 | 6 UOC
Chemistry, Biochemistry and Microbiology of Food
Food Preservation

Food Science and Technology Laboratory

Food Safety and Quality Assurance

Advanced Food Chemistry

Nutrition

Food Microbiology

Advanced and Applied Nutrition

Advanced Food Engineering

Food Processing Principles

Unit Operations in Food Processing

Product Design and Development

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)

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