Overview

The Doctor of Systems Engineering degree provides an opportunity to combine a doctoral thesis with the coursework component of a Master of Systems Engineering degree. The degree consists of one-third coursework (equivalent to one year full-time) and two-thirds research (equivalent to two years full-time) which may be in an area encountered by the student while undertaking coursework.

The program is intended to prepare candidates for the highest level of professional practice, in which they can contribute significantly to the development of the discipline of Systems Engineering.

High level professional practice in the field of systems engineering involves the continuous improvement of the associated body of knowledge in order to manage the ever-increasing complexity of systems and projects. This extension requires significant experience and a mastery of the professional body of knowledge, underpinned by strong research skills.

In this program, mastery of the professional body of knowledge is achieved in the coursework component, which builds on prior education and the experience gained through professional practice.

Based on this mastery of the professional body of knowledge, the thesis component of the program develops the research skills necessary for an experienced practitioner to be able to make a significant contribution to the continuous improvement of their discipline’s professional practice. See UNSW Higher Degree Research Learning Outcomes.

The degree consists of one third coursework (equivalent to two semesters full time) and two thirds research (equivalent to a minimum of four semesters full time) which may be taken in an area encountered by the student while undertaking coursework. All coursework must be completed before the commencement of the dissertation.
Assessment of the research component is as for other final research degrees, i.e., award / not award / re-submit.

The coursework component is identical to the Master of Systems Engineering (Program 8567).
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<tr>
<th><strong>Faculty</strong></th>
<th>UNSW Canberra at ADFA</th>
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<tr>
<td><strong>Campus</strong></td>
<td>Canberra</td>
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<tr>
<td><strong>Study Level</strong></td>
<td>Research</td>
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<td><strong>Typical duration</strong></td>
<td>3 Years</td>
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<td><strong>Delivery Mode</strong></td>
<td>Face-to-face, Research</td>
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<td><strong>Academic Calendar</strong></td>
<td>Research Calendar</td>
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<td><strong>Minimum Units of Credit</strong></td>
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<td><strong>Award type</strong></td>
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<td><strong>Award(s)</strong></td>
<td>Doctor of Systems Engineering - <strong>DSysEng</strong></td>
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<td><strong>CRICOS Code</strong></td>
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Admission Requirements

Entry Requirements

1. A candidate for the degree shall have been awarded an undergraduate degree from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee, and shall have completed the qualifying program to an approved standard. The standard required is an average of 75% or better in the candidate's qualifying program. In addition, a research proposal must be submitted as soon as feasible after completion the qualifying program. Admission to the program will be conditional on the viability of the research proposal.

2. In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committee may be permitted to enrol for the degree.

3. If the Committee is not satisfied with the qualifications submitted by an applicant, the Committee may require the applicant to undergo such assessment or carry out such work as the Committee may prescribe before permitting enrolment.

For further information, see the Admission to Higher Degree Research Programs Procedure.

For more information about admission requirements for various UNSW programs, visit the following website(s):

Domestic Students
International Student
Additional Information

Award of the Degree

The degree of Doctor of Systems Engineering may be awarded by the Council on the recommendation of the UNSW Canberra Higher Degree Committee (hereinafter referred to as the Committee) to a candidate who after satisfactorily completing a qualifying program comprising 48 units of credit in the Master of Systems Engineering degree has through the submission of a thesis based on his or her research made an original and significant contribution to knowledge in the field of Systems Engineering.

Prospective students

Full credit for the qualifying program will be given for students who have previously completed the Master of Systems Engineering.

Prospective students are strongly advised to make contact with a potential supervisor and the UNSW Canberra Research Student Unit before applying for research study at the University.

Further information about the PhD program and scholarships at UNSW Canberra can be found by emailing a query via rsu@adfa.edu.au

Please refer to the UNSW Canberra Future Students website for further information on how to apply, scholarships, English language requirements, thesis preparation and other research related matters.

Further Information

- Progress Review and Confirmation of Research Candidature Procedure
- Thesis Examination Procedures

For further information on policies, procedures and forms, see the Graduate Research website.
Program Fees

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

Domestic Students
Commonwealth Supported Students
International Students
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