Overview

If you are commencing in Semester 2 2020 under the Government's Higher Education Relief Package due to COVID-19, please refer to the advice in the Additional Information section below.

The Graduate Certificate in Space Operations is a multidisciplinary program awarded by the School of Engineering and Information Technology. It is designed for scholars and professionals with appropriate undergraduate qualifications in management, humanities, and engineering, or those with extensive relevant professional experience. The program develops awareness of the technical, strategic, and economic drivers required to conceive, design, and operate spacecraft within the rapidly changing global space sector. The program analyses the intersection between the technical and strategic forces that influence operational decisions within the space domain and explores the changing landscape for the utilization of space for military, civilian, and commercial applications.

The Graduate Certificate in Space Operations aims to allow students to develop a high level of understanding of the issues associated with the planning, operation and acquisition of space systems. A specific emphasis is placed on examining opportunities for Australia to grow its strategic space capability while responsibly operating within the space domain to ensure the sustainment of the space environment into the future.
<table>
<thead>
<tr>
<th><strong>Faculty</strong></th>
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<tbody>
<tr>
<td>UNSW Canberra at ADFA</td>
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<table>
<thead>
<tr>
<th><strong>Campus</strong></th>
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<tbody>
<tr>
<td>Canberra</td>
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<table>
<thead>
<tr>
<th><strong>Study Level</strong></th>
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<tbody>
<tr>
<td>Postgraduate</td>
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<table>
<thead>
<tr>
<th><strong>Typical duration</strong></th>
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<tbody>
<tr>
<td>0.5 Years</td>
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<table>
<thead>
<tr>
<th><strong>Delivery Mode</strong></th>
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<tbody>
<tr>
<td>Fully online</td>
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<table>
<thead>
<tr>
<th><strong>Intake Period</strong></th>
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<tbody>
<tr>
<td>Semester 2</td>
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<table>
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<tr>
<th><strong>Academic Calendar</strong></th>
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<tbody>
<tr>
<td>UNSW Canberra Calendar</td>
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<table>
<thead>
<tr>
<th><strong>Minimum Units of Credit</strong></th>
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<tr>
<td>24</td>
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<tr>
<th><strong>Award type</strong></th>
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<tr>
<td>Graduate Certificate</td>
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<table>
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<tr>
<th><strong>Award(s)</strong></th>
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<tr>
<td>Graduate Certificate in Space Operations - <strong>GradCertSpaceOps</strong></td>
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Learning Outcomes

1. Communicate effectively to a range of audiences and be capable of independent and collaborative inquiry, working effectively with others.

2. Demonstrate interdisciplinary knowledge and skills and an ability to apply those in a range of space operations contexts.

3. Demonstrate advanced critical thinking and problem solving skills, particularly as applied to the knowledge areas of space operations.

4. Demonstrate an awareness of international issues as they relate to space operations.

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Program Structure

Students must complete 24 UOC as a standalone program.

Core Courses

Students must take at least 12 UOC, up to a maximum of 24 UOC of the following courses.

ZEIT8007  |  6 UOC
Space Operations

ZEIT8011  |  6 UOC
Space Systems Technology

ZEIT8013  |  6 UOC
Space Applications 1

ZEIT8303  |  6 UOC
Project Management Body of Knowledge

Prescribed Electives

Students can take up to a maximum of 12 UOC of the following courses.

ZEIT8009  |  6 UOC
Global Navigation Satellite Systems (GNSS)

ZEIT8012  |  6 UOC
Space Systems Engineering Management

ZEIT8219  |  6 UOC
Satellite Communications

ZEIT8221  |  6 UOC
Spaceborne Imaging Technology
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.
Related Programs

Master of Space Engineering - **MSpaceEng**

8622 Space Engineering

Faculty: UNSW Canberra at ADFA
Campus: Canberra
Units of Credit: 48
Typical Duration: 1 Years

Read More

Master of Space Operations - **MSpaceOps**

8624 Space Operations

Faculty: UNSW Canberra at ADFA
Campus: Canberra
Units of Credit: 48
Typical Duration: 1 Years

Read More
Admission Requirements

Entry Requirements

To gain entry into a Graduate Certificate of Space Operations (7353), an applicant must meet one of the following entry requirements:

1. Completion of a Bachelor degree in a related discipline* from a recognised institution; or

2. Completion of a Bachelor degree in a non-related discipline; and completion of at least three years relevant full-time professional experience; or

5. Evidence of other qualifications and professional experience to be assessed as acceptable grounds for admission into the program by the relevant Program Authority. In certain circumstances, students may be required to undertake and successfully complete a relevant non-award course as a condition for admission into the program. This non-award course may also be credited towards the program upon admission.

*Related Discipline/s: Management, Engineering, Humanities.

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

Domestic Students
International Student
Additional Information

Domestic students commencing in Semester 2 2020 under the Government's COVID-19 Higher Education Relief Package can enrol in a maximum of 4 courses (24 units of credit) in Semester 2 2020 at the discounted fee rates.

Further information about the COVID-19 Higher Education Relief Package is at https://student.unsw.edu.au/herp

Students should enrol in the following courses available online:

Core courses (total of 12 units of credit): ZEIT8011 Space Systems Technology + ZHSS8504 Space Conflict and Competition

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

Additional Expenses

Computer and internet access as well as texts.
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