



University of
South Australia



SOUTHERN HEMISPHERE SPACE STUDIES PROGRAM

13 Jan - 7 Feb 2025

Adelaide, South Australia
UniSA Mawson Lakes Campus

**SCHOLARSHIP
APPLICATIONS**
CLOSE 31 OCT 2024

**PROGRAM
APPLICATIONS**
CLOSE 29 NOV 2024

Image courtesy of Southern Launch.

About the program

The Southern Hemisphere Space Studies Program (SHSSP) is conducted by the University of South Australia (UniSA) in partnership with the International Space University (ISU).

Since 2011, the SHSSP has delivered cutting-edge space education providing upskilling and reskilling for the space workforce.

The program connects professionals with the international space sector, and is based on the unique international, intercultural, and interdisciplinary learning experience for which the ISU is renowned.

Delivered at UniSA's Mawson Lakes Campus, the SHSSP is an intensive four-week program that provides multidisciplinary understanding of the key activities and knowledge areas required by today's space professionals including:

- Space science and exploration
- Space applications and services
- Space systems engineering and technologies
- Human spaceflight and life sciences
- Space policy, economics and law
- Space business, project management and entrepreneurship
- Space humanities, communications, art and culture

Who is the program for?

- Professionals in industry, government and the defence services
- Graduate researchers
- Undergraduate students who have completed at least two years of their studies

The SHSSP is open to Australian and international participants from all disciplines and aims to act as a catalyst boosting the role of space for countries in the Southern Hemisphere and those cooperating with them.

Program content

Core lectures from staff and invited experts range in topics from space sciences and engineering to deep-space exploration and space applications for the benefit of society.

Interactive workshops including activities in areas such as:

- Model rocket design
- Nano-satellite simulations
- Satellite ground station operations
- Simulated legal, policy and commercial problem solving and debate

An interdisciplinary team research project involving all participants, reflecting current trends and opportunities in the space sector.

Qualification

On successful completion, participants will receive a Certificate of Completion from ISU, an Executive Certificate from UniSA, and become members of ISU's worldwide alumni network.

Academic credit for the program

Holders of the Executive Certificate will receive a 50% credit upon admission to the UniSA Graduate Certificate in Space Studies.

For more information, please visit: unisa.edu.au/spacestudies

Participants who successfully complete the Southern Hemisphere Space Studies Program may be granted credit in a UniSA undergraduate or postgraduate program, with the approval of the relevant UniSA Program Director.

Participants may also seek credit from their home universities in other undergraduate and postgraduate programs.

Program fee

The full fee for SHSSP25 is \$17,000 AUD. Fee includes tuition, accommodation and meals.

Financial aid

Scholarships to offset part of the program fee will be awarded on merit where financial need can be demonstrated.

Applicants can apply for financial aid as part of their online enrolment application.



Ben Adams

Chief Operating Officer
INOVOR TECHNOLOGIES

2018 PROGRAM PARTICIPANT

I completed the Southern Hemisphere Space Studies Program (SHSSP) at the beginning of 2018, followed by a Graduate Certificate in Space Studies at the University of South Australia.

Less than 12 months later, I secured a role with Australian spacecraft manufacturer Inovor Technologies, and I now hold the role of Chief Operating Officer.

SHSSP was career and life changing for me. Not only did it give me a baseline understanding of all the critical aspects of the space sector, it connected me with a broad range of like-minded individuals from across the world, both from the student and the teaching cohort - a network which I still extensively access today.

Whether you are in the early stages of your career and wanting to get an insight into the space industry, or looking for a mid-career change, I highly recommend the SHSSP to you. It can change your career, and your life.



Daniele Dallari

Sales Manager
SOUTHERN LAUNCH

2022 PROGRAM PARTICIPANT

The SHSSP provided me with inclusive and holistic learning opportunities to upskill in the fast-growing space sector.

It enabled empowering networking opportunities on both local and international levels.



Franke Agenbag

Space Systems Engineer
DEFENCE SCIENCE AND
TECHNOLOGY GROUP

2022 PROGRAM PARTICIPANT

I participated in SHSSP 2022 while working as a Space Systems Engineer after completing my Bachelor of Engineering at UniSA.

SHSSP filled gaps in my space-related knowledge and connected me with like-minded individuals globally.

The experience was invaluable, helping me develop technology intended for future space flight.

Coming from an Electrical background, SHSSP provided insights into Space Weather and Systems Engineering, enhancing my understanding of electronics in the space environment and broadened my knowledge in areas less familiar to me, such as Space Law and Policy.

After the program, I contributed to a groundbreaking project using liquid lens technology on DSTC's Buccaneer Main Mission Satellite.

The program helped me identify critical considerations, such as radiation effects on payloads, leading to my recognition as DSTC's Outstanding Early Career Achiever and Women in Innovation Innovator of the Year.

The program inspired me to pursue a Doctorate related to Space Weather.

I highly recommend SHSSP to anyone interested in pursuing a career in the Space Sector.

It provides insight into a multi-disciplinary industry and allowed me to transition and up-skill from an Electrical and Mechatronic Engineer to a Space Systems Engineer.



Helen Loudis

Assistant Director
AUSTRALIAN SPACE AGENCY
2023 PROGRAM PARTICIPANT

I participated in the SHSSP in 2023 and had an incredibly positive experience, particularly the sense of community created within a supportive learning environment.

I enjoyed the opportunities for interaction amongst a diverse mix of students from a variety of cultural and academic backgrounds which enabled us to form lasting connections and friendships.

I found the curriculum, whilst intensive, was well paced and incorporated a good mix of teaching and learning styles including workshops, team projects and engaging lectures delivered by inspiring lecturers.

I also particularly appreciated the future focused content of the curriculum.

Having pursued a career change in 2017 to move into the space sector, the SHSSP provided me with the opportunity for exposure to new topics including systems engineering and mission design, additionally building new professional networks in the industry.

I would certainly recommend the program, particularly for those who are new to the sector and keen to explore various fields to see what sparks their interest.

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For more information please visit
unisa.edu.au/spaceprogram

For admissions please contact
admissions@isunet.edu

or
www.isunet.edu



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