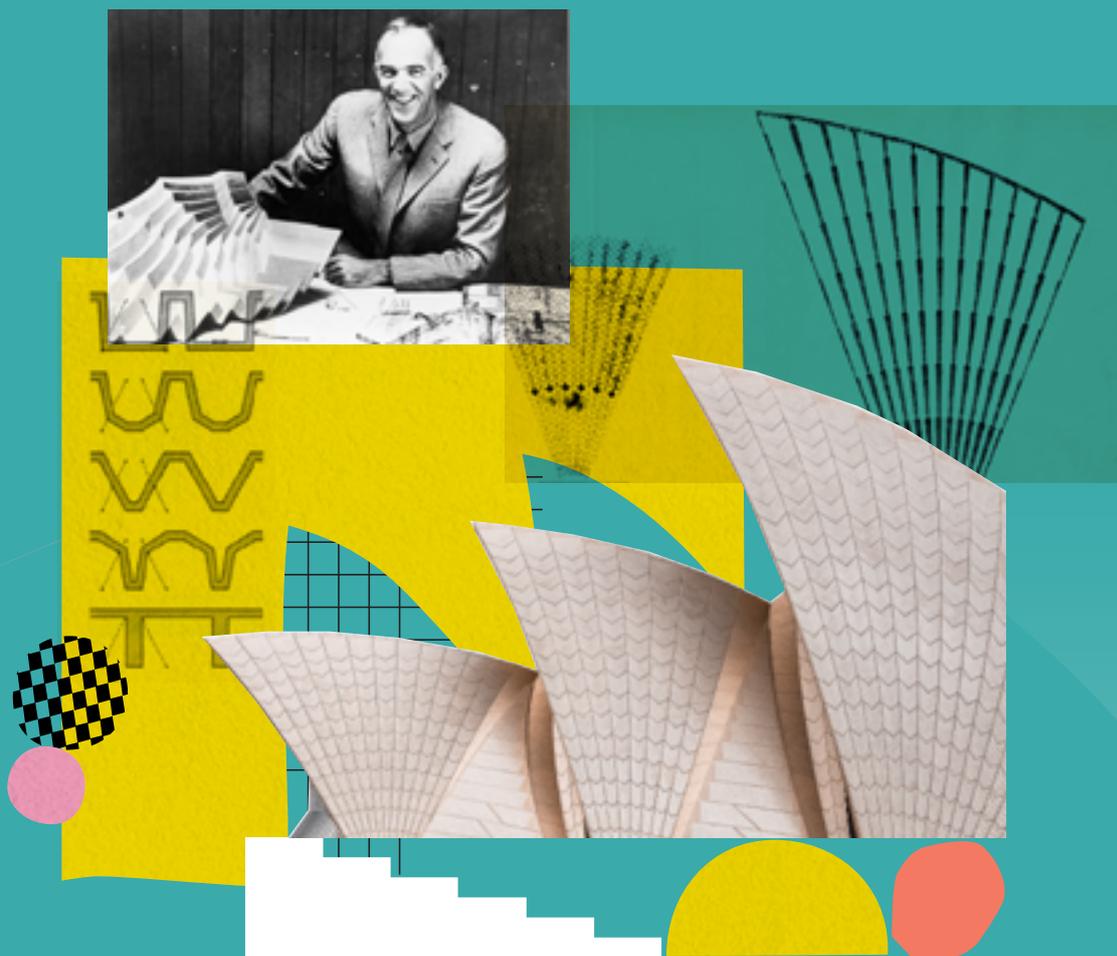




Sydney Opera House

# BUILD



**Tertiary Built  
Environment  
Creative Lab**

**CENTRE FOR CREATIVITY**  
10-day program

## Sydney Opera House BUILD Tertiary Built Environment Creative Lab

# Explore emerging professional skills with a design challenge

The Tertiary Built Environment Creative Lab will support you to explore your role as a future socially engaged global leader, in the context of a real-life design challenge. Using Sydney Opera House as a learning canvas, you will work in interdisciplinary teams to explore the architecture, engineering and design of the Sydney Opera House building.

You will consider the human-centred, social and historical forces that contributed to the Opera House's story while incorporating your own values, ethics and professional aspirations. You will deepen your knowledge of First Nations perspectives and learn how to create spaces that are inclusive and accessible for everyone.

Responding to a future-facing design challenge, you will complete the program with a deeper understanding of what a socially engaged and interdisciplinary built environment practice may look like.



# Sydney Opera House BUILD

## Tertiary Built Environment Creative Lab Schedule

	<b>Day 1:</b> Storytelling – the building and the people	<b>Day 2:</b> First Nations Perspectives	<b>Day 3:</b> Design Principles	<b>Day 4:</b> United Nations Sustainable Development Goals	<b>Day 5:</b> Collaboration & Values	<b>Day 6:</b> Excursion	<b>Day 7:</b> Conscious Cities	<b>Day 8:</b> Design Challenge	<b>Day 9:</b> Design Challenge	<b>Day 10:</b> Presentation		
<b>Morning</b> 8.30am start	<b>Welcome:</b> Introduction to the Opera House and the Design Challenge	<b>Movement:</b> Mind & Body Learning	<b>Movement:</b> Mind & Body Learning	<b>Movement:</b> Mind & Body Learning	<b>Movement:</b> Collaborating in Teams	<b>Rest Day</b>	<b>Excursion:</b> Bushwalk & Campfire Stories  (by pre-arranged bus & ferry)	<b>Movement:</b> Mind & Body Learning	<b>Movement:</b> Mind & Body Learning	<b>Movement:</b> Mind & Body Learning	<b>Group Presentations:</b> Design Challenge	<b>Morning</b> 8.30am start
		<b>Talk:</b> Introduction to First Nations Perspectives	<b>Talk &amp; Workshop:</b> Utzon Design Principles	<b>Talk:</b> United Nations Sustainable Development Goals	<b>Tour:</b> Inclusivity Perspectives on Physical & Mental Impairment			<b>Talk:</b> City Movements and Urban Trends	Self-directed group work	Self-directed group work		
			<b>Talk:</b> Engineering of the Opera House	<b>Film and Q&amp;A:</b> 'Regenerating Australia'				<b>Workshop:</b> Make a Manifesto				
	<b>Lunch</b>						<b>Lunch</b>					
<b>Afternoon</b> 5.30pm finish	<b>Tour:</b> Utzon and the Opera House	<b>Workshop:</b> Building on Country	<b>Tour:</b> Music & Acoustics of the Opera House	<b>Workshop:</b> Visualising the Future with a Comic Artist	<b>Workshop:</b> Understanding Values and your 'Why'		<b>Design Challenge Kick-Off</b>	<b>Self-directed group work</b>	<b>Self-directed group work</b>	<b>Celebration &amp; Networking</b>		<b>Afternoon</b> 5.30pm finish
					<b>Talk:</b> Knowing your Story - A First Nations Perspective							
<b>Evening</b> 8pm finish	<b>Film:</b> 'Utzon, the Man & the Architect'	<b>Talk:</b> Philosophy & Architecture	<b>Talk:</b> Legacy of Peter Hall	<i>Free time</i>	<i>Free time</i>		<b>Talk:</b> The Opera House's 'Original Engineers'	<i>Free time</i>	<i>Free time</i>			<b>Evening</b> 8pm finish

## Frequently Asked Questions

### Where will the program take place?

Every day will take place at Sydney Opera House, except for Day 6 where we will go on an outdoor excursion to the Pittwater by pre-arranged bus and ferry.

### What does the program look like?

It will take place over 10 days full days, with one rest day between Day 6 and Day 7. You will engage in tours, talks, workshops and activities within the Sydney Opera House's world class facilities.

### How do I know this program is for me?

You are the perfect person to participate, if you:

- are in years 1 to 3 of an architecture, engineering or related degree
- are keen to explore your role as a future socially engaged global leader
- are interested in learning more deeply about Sydney Opera House's history, design and construction
- are keen to work together in groups to solve a design challenge!

### Who else is participating?

We are looking for 60 enthusiastic participants from architecture, engineering and other related degrees. You will work in small groups with both new and familiar faces.

### I'll miss out on class. Will this be an issue?

No. We will work with university staff to ensure you can participate without it affecting your studies.

### I want to participate! How do I sign up?

Please let your academic advisor know, so they can consider you as a participant.



# About Sydney Opera House BUILD

Sydney Opera House is an internationally renowned masterpiece and home of the performing arts where design, architecture, the built environment and creativity change the way people experience the world. The building was made possible through the collaboration between architects, engineers and builders. This includes architects Jørn Utzon and Peter Hall, and Sir Ove Arup who was an engineer, designer and philosopher.

To celebrate this collaboration, BUILD is a new Creative Learning program that uses the lens of the Sydney Opera House building, its site and its story to explore creative explorations around STEM and built environment perspectives, through the power of the arts and architecture.

The expected outcomes of BUILD are:

- Increased STEAM literacy and confidence among school and tertiary students
- A greater awareness of participants' agency as global citizens, creating and caring for a better world

## BUILD is delivered across three distinct programs:

### Secondary School Design Challenge (Year 9 & 10)

Sixty students from different schools across both years participate in a week-long creative intensive at Sydney Opera House. This intensive creatively redefines what the STEM curriculum means for young people by connecting these subjects to the real life learning lens of the Sydney Opera House. We put the 'A' in STEAM through a fun and playful design challenge that connects art, architecture, applied skills and creative expression. Students will come away understanding what makes this building so special, with a once in a lifetime experience seeing behind-the-scenes look at the Sydney Opera House.

### Tertiary Built Environment Creative Lab

Sixty tertiary students explore their role as future socially engaged global leaders, in the context of a real-life design challenge. Using Sydney Opera House as a learning canvas, students explore the architecture, engineering and design of the building. Students consider the human-centred, social, cultural and historical forces that contributed to the Opera House's story while incorporating their own values, ethics and professional aspirations. Responding to a future-facing design challenge, students will complete the program with a deeper understanding of what a socially engaged and interdisciplinary built environment practice may look like.

### Public Program - Facing the Future

A new series of talks, events and discussions exploring the transformative power in combining arts, architecture and science to design our built environments for the future.