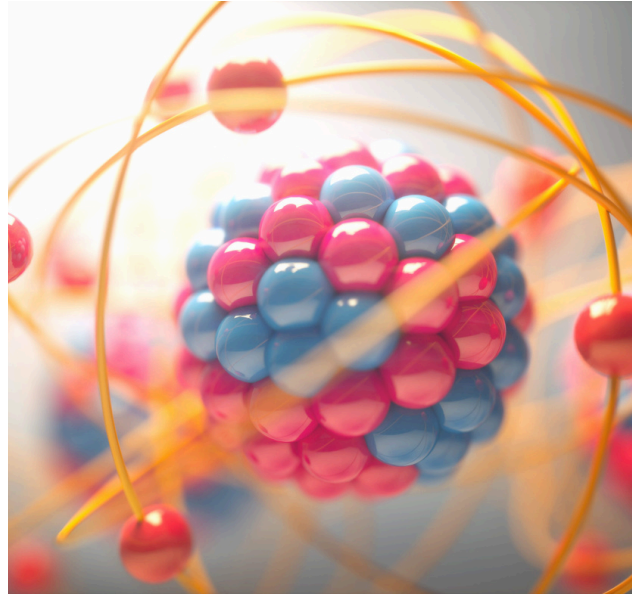


South Australia's First Physics Skills Enhancement Microcredential

Enhance your STEM career

Flinders University proudly presents South Australia's first **Physics Skills Enhancement Microcredential**, open to all Australians.

This specialised course offers foundational physics knowledge and skills essential for thriving in physics-driven **STEM** fields, opening doors for Australians from diverse backgrounds to engage with **AUKUS** and the nuclear industry.



Duration: 5 weeks

Contact hours: 25 hours

Credits: 4.5 units at Flinders University

Prerequisites: None

Indicative course fees: \$930

Location: Online + 2 days in Bedford Park

Academic lead: Prof Maria Parappilly

Delivery mode: Hybrid

- A series of pre-recorded lectures, online live workshops and guided home experiments
- Face-to-face Labs (2 days) in week 4

First intake: 26 March 2025

- Fee waiver places (35) for registered teachers. Scholarship for interstate teachers toward travel/accommodation



Who should take this microcredential?

Aspiring Professionals: Ideal for individuals interested in nuclear and submarine physics, this course is perfect for those pursuing AUKUS-related careers or advancing their STEM education.

Educators: Designed to upskill teachers, this microcredential equips educators with the tools to deliver physics concepts through hands-on demonstrations and storytelling techniques, enhancing their teaching methodologies for Australia's future STEM students.

School Leavers: Perfect for school leavers without a physics background, to help them develop essential experiment skills, a strong foundation in physics, and give them both study credit and a pathway into Flinders programs like the **Bachelor of Science (Physics)**, **Bachelor of Engineering**, and the **Nuclear Major**.

Course Content:

Energy, Radiation, The Nature of Atoms, Nuclear Radioactivity, Nuclear Decay, Sources of Nuclear Radiation, Nuclear Power, Fluid Dynamics, and Hydrodynamics.

Join the course at Flinders University to enhance your STEM career or teaching capabilities with foundational physics skills.

Submit your interest to stemrich@flinders.edu.au

