

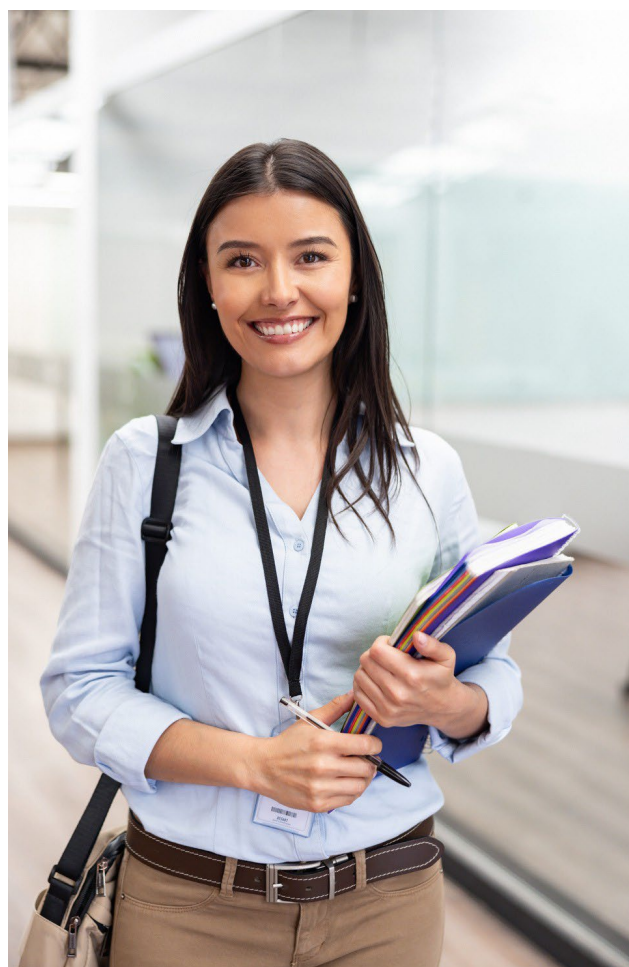
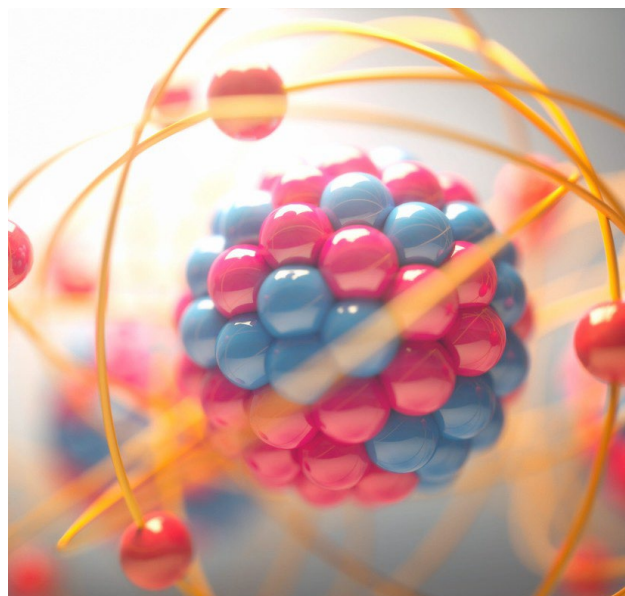
South Australia's First Physics Skills Enhancement Microcredential

STARTS 25 AUGUST 2025 - REGISTER NOW

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: 6 weeks

Contact hours: 35 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 5

Start date: 25 August 2025

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



Who should take this microcredential?

Aspiring Professionals

Build a strong foundation in nuclear and submarine physics—ideal for AUKUS pathways or further STEM study.

Educators

Gain hands-on techniques and storytelling tools to confidently teach physics and inspire future STEM students.

School Leavers

No physics background? No problem. Learn essential skills and earn credit toward degrees like the Bachelor of Science (Physics), Bachelor of Engineering, and the Nuclear Major.

Sample testimonials - Teachers from pilot Intake 2025

“This course is an invaluable resource for any teacher looking to deepen their understanding of the reasoning and practical applications of physical concepts. The flexibility of the online materials, combined with the engaging hands-on experiments using both cutting-edge technology and accessible home setups, is particularly appealing. The opportunity to connect with other science teachers and share experiences was also a significant benefit.”

Dr Ken Silburn,
Head Teacher - Science, Casula High School, NSW
The 2015 Prime Minister’s Prize Winner for
Excellence in Secondary Science Teaching

“I fully recommend this program, for teachers and students to engage in relevant professional development, which makes STEM lessons, more engaging and relevant and develop them into their careers. The whole program has demonstrated that we are not forgotten out here in regional Australia. It has shown that pathways exist for our students and staff to go through.”

Dolina Dyson
Maths & Science Teacher, Taminmin College, NT

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
stemenrich@flinders.edu.au

