

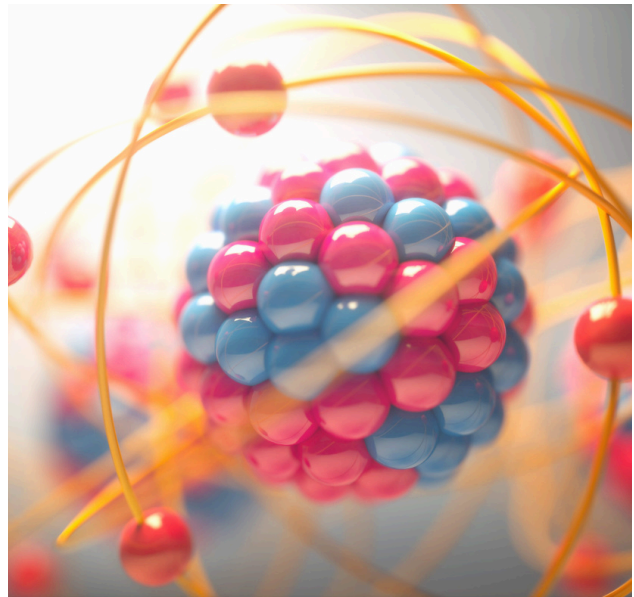
South Australia's First Physics Skills Enhancement Microcredential

STARTS 18 MAY 2026 - 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: 5 weeks

Contact hours: 35 hours

Credits: 4.5 units at Flinders University

Prerequisites: None

Course fees: FREE for 25 places

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) June 11 and June 12

Start date: 18 May 2026

- Fee waiver places (25) for registered teachers.



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**.

Testimonials

“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.”;

“...really strengthened my confidence in teaching the Physics components... I now have a much deeper understanding.”;

“The course not only enhanced my content knowledge but also equipped me with innovative teaching strategies that I can confidently apply in my physics classes... A 10 out of 10 all around”;

“The vast variety in practicals that could be carried out at home, combined with the in-person practicals... did exactly what I desired. I’ve already implemented practicals in my practice”;

“...filled in gaps in my Physics knowledge”;

“...gave me the confidence I needed to teach junior physics more effectively... The course bridged my knowledge gaps.”;

“...equipped me with innovative teaching strategies that I can confidently apply in my physics classes“

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

