

What is Integrated Science?

Science is a dynamic, collaborative human activity that uses distinctive ways of valuing, thinking and working to understand natural phenomena. The Integrated Science course explores science issues through a multidisciplinary approach that includes aspects of biology, chemistry, geology and physics. It is grounded in the belief that science is, in essence, a practical activity and allows the flexibility for students to explore what interests them.

How will Integrated Science help me in the future?

This course encourages students to develop their scientific skills of curiosity, observation, collection and analysis of evidence, in a range of contexts. Students conduct practical investigations that encourage them to apply what they have learnt in class to real-world situations and systems. This course requires students to be creative, intellectually honest, to evaluate arguments with scepticism, and to conduct their investigations in ways that are ethical, fair and respectful of others.

What careers can Integrated Science lead to?

Integrated Science General can prepare students for a range of careers, including those in scientific research, science education, marine biology, agriculture, environmental conservation, cosmetics, forensic science and mining.

What content will I study in Year 11 and Year 12?

Year 11	
Integrated Science General Unit 1: Students explore biological and Earth systems, focussing on interrelationships between systems, structure and function of biological systems, ecosystems and sustainability and species continuity and change.	Integrated Science General Unit 2: Students explore physical and chemical systems, focussing on atomic structure, chemical reactions, mixtures and solutions, motion and forces and energy.
Year 12	
Integrated Science General Unit 3: Students explore biological and Earth systems, focussing on interrelationships between systems, structure and function of biological systems, ecosystems and sustainability and species continuity and change.	Integrated Science General Unit 4: Students explore physical and chemical systems, focussing on chemical reactions, mixtures and solutions, motion and forces and energy.

What are the pre-requisites?

There are no pre-requisites for this course.

LEARN MORE

Visit: <https://senior-secondary.scsa.wa.edu.au/syllabus-and-support-materials/science/integrated-science>

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