

What is Earth and Environmental Science?

Earth and Environmental Science explores our planet as a dynamic global system involving interactions between the geosphere, hydrosphere, atmosphere and biosphere. It is a multifaceted field of inquiry that integrates concepts drawn from geology, biology, physics and chemistry to analyse Earth's ancient and modern environments and to make predictions about the future. This course provides an understanding of the minerals and energy industry and its contribution to Western Australia's economy.

How will Earth and Environmental Science help me in the future?

This course encourages students to be curious about the world around them and to apply scientific principles to develop a balanced view of the benefits and challenges presented by the utilisation of resources. In this course, students develop their investigative, analytical and communication skills through conducting practical investigations and field-based excursions.

What careers can Earth and Environmental Science lead to?

Earth and Environmental Science can prepare students for a range of careers, including those in mining, environmental rehabilitation, conservation, engineering, archaeology, geology, biology and eco-tourism.

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

Year 11	
Earth + Environmental Science ATAR Unit 1: Students examine evidence underpinning theories of the development of Earth's systems, their interactions and their components.	Earth + Environmental Science ATAR Unit 2: Students investigate how Earth processes involve interactions of Earth systems that are interrelated through transfers and transformations of matter and energy.
Year 12	
Earth + Environmental Science ATAR Unit 3: Students examine renewable and non-renewable resources, the implications of producing these resources and associated management approaches.	Earth + Environmental Science ATAR Unit 4: Students consider how Earth processes and human activity can contribute to Earth hazards, and the ways in which these hazards can be predicted and managed to reduce their impact on Earth environments.

What are the pre-requisites?

60% in Year 10 Science Core or a 'C' grade in Year 10 Science Extension.

LEARN MORE

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

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