



Course Information

Sciences

Chemistry | CHE



About the course

The Chemistry ATAR course equips students with the knowledge, understanding and opportunity to investigate properties and reactions of materials. Theories and models are used to describe, explain and make predictions about chemical systems, structures and properties. Students recognise hazards and make informed, balanced decisions about chemical use and sustainable resource management. Investigations and laboratory activities develop an appreciation of the need for precision, critical analysis and informed decision making.



A1CHE

Unit 1 Chemical fundamentals: structure, properties and reactions

In this unit, students will understand how atomic and bonding models explain the structure and properties of elements and compounds. They will study the concept of enthalpy and describe energy changes in chemical reactions both qualitatively and quantitatively. Students will explore the development and limitations of chemical models and theories based on diverse evidence and will use inquiry skills to investigate the properties of elements, compounds, and mixtures, as well as the energy changes involved in reactions. Additionally, students will explain chemical phenomena using both qualitative and quantitative representations.



Prerequisites

Minimum **C grade in Year 10 Science** or equivalent standard and **good math ability**



Type of Assessment

25% Science Inquiry
10% Extended Response
15% Test
50% Examination



Year of Study

Year 11



Costs

Unit Cost \$35