

CHEMISTRY

Develop understanding of how the physical world is chemically constructed, and the interaction between human activities and the environment. Explore options such as sustainable chemistry and undertake practical activities to apply chemical concepts.

PREREQUISITES: ONE SEMESTER OF A STAGE 1 SCIENCE SUBJECT

WHAT WILL YOU LEARN?

01. Discover the impact of fossil fuel use on global warming and ocean acidity and investigate green alternatives.
02. Learn about the major groups of organic compounds, focusing on those of biological and environmental significance.
03. Investigate chemical manufacturing processes and innovations in production, including reductions in energy use.

Transferable Skills

- Using a range of communication formats to express ideas logically and fluently
- Analysing facts and data and testing assumptions
- Developing creative, innovative and/or practical solutions
- Collaborating and contributing to team results
- Working ethically

Assessment

Stage I	N/A
Stage II	30% Investigations Folio, 40% Skills and Applications Tasks, 30% External Component



VOCATIONAL PATHWAYS

- Certificate III in Resource Processing
- Certificate III in Wine Industry Operations (Viticulture)
- Diploma of Laboratory Technology



TERTIARY PATHWAYS

- Bachelor of Science (Chemical Sciences)
- Bachelor of Science (Marine Biology and Aquaculture)
- Bachelor of Criminology



CAREERS

- Pest and Weed Controller
- Laboratory Technician
- Metallurgical Technician
- Pharmacologist
- Chemical Engineer



SACE STAGE 1
NOT AVAILABLE



SACE STAGE 2 | 20 CREDITS
FULL YEAR



ATAR SUBJECT