

# 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 FOR STAGE 2 OR A GRADE YEAR 10 SCIENCE FOR STAGE 1

## WHAT WILL YOU LEARN?

01. Produce written practical reports and analyse data from investigations.
02. Discover the impact of fossil fuel use on global warming and ocean acidity and investigate green alternatives.
03. Learn about the major groups of organic compounds, focusing on those of biological and environmental significance.

### 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  | 50% Investigations Folio<br>50% Skills and Applications Tasks                       |
| 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  
BOTH SEMESTERS



SACE STAGE 2 | 20 CREDITS  
FULL YEAR



ATAR SUBJECT