Bachelor of Science
Major in Chemistry

ENTRY REQUIREMENTS

Assumed Knowledge
For astronomy and astrophysics, mathematics, statistical data science and physics majors: HSC Mathematics Advanced (Band 4), or equivalent. If you haven’t met the required minimum level of achievement (Band 4 or equivalent), you can undertake an alternative introductory unit of study in that area.

Recommended Studies
HSC Mathematics Advanced or equivalent, at least 2 units of science. For astronomy and astrophysics, and physics majors: HSC Physics. For mathematics major: HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2, or equivalent.

CORE ZONE

Essential units = Each unit is 10 credit points.

Capstone unit = 10 credit points
FOSE3100 Making Science Work for You and Society: Capstone

Essential units = 20 credit points
FOSE1000 Becoming a Scientist
FOSE2000 The Science Practitioner

Statistics Elective units = 10 credit points
Complete 10 credit points from the following units
STAT1103 Introduction to Psychological Design and Statistics
STAT1170 Introductory Statistics
STAT1371 Statistical Data Analysis

Data and Computing Elective units = 10 credit points
Complete 10 credit points from the following options.
- Students enrolling in Astronomy, Physics, Mathematics or Statistical Data Science majors must enrol in FOSE1030.
- Student enrolling in Biology, Biotechnology, Chemistry, Human Biology, Earth and Environmental Sciences, and Physiological Sciences major must enrol in FOSE1025.
- Students enrolling in double majors that requires both FOSE1025 and FOSE1030 can complete the other Data & Computing unit not selected below in the Other Science - 20 credit points option set.

FOSE1025 Scientific Computing
FOSE1030 Introduction to Python Programming

Other Science Elective units = 20 credit points
20 credit points from ASTR, BIOL, CHEM, EESC, ENVS, MATH, PHYS, PSYU, STAT, BMOL, MOLS, FOSE units at 1000 or 2000 level

Elective unit - 10 credit points
Complete 10 credit points from the following PACE units
MOLS3002 PACE: Engaging the Community in Science
MOLS3003 PACE: Molecular Sciences Project

MAJOR

Major requirements: 80 credit points
Complete each unit below
CHEM1001 Foundations of Chemical and Biomolecular Sciences 1
CHEM1002 Foundations of Chemical and Biomolecular Sciences 2
CHEM2201 Analysis and Measurement
CHEM2401 Physical Chemistry I
CHEM2601 Synthesis
CHEM3201 Advanced Analysis and Measurement
CHEM3601 Advanced Synthesis
CHEM3801 Medicinal Chemistry

FLEXIBLE ZONE

Flexible Zone = 80 credit points
You can use your flexible zone to enrol in any Undergraduate unit for which you meet the requisites. You may also use your flexible zone to complete a second major or minor(s)