

Bachelor of Science, Major in Chemistry

ENTRY REQUIREMENTS

Assumed Knowledge	For astronomy and astrophysics, mathematics, statistical data science and applied 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 applied physics majors: HSC Physics. For mathematics major: HSC Mathematics Extension 1 (Band E2) or HSC Mathematics Extension 2, or equivalent.

COURSE STRUCTURE

Core Zone 160 Units + Flexible Zone 80 Units
= 240 Credit points.

Essential units = Each unit is 10 credit points.

Capstone unit = 10 credit points

FOSE3000 Making Science Work for You and Society: Capstone

Essential units = 20 credit points

FOSE1000 Becoming a Scientist

FOSE2000 The Science Practitioner

Elective units - Statistics = 10 credit points - contains 20

Complete 10 credit points from the following options.

STAT1170 Introductory Statistics

STAT1371 Statistical Data Analysis

Elective Units - Data & Computing = 10 credit points - contains 20

Complete 10 credit points from the following options.

- Students enrolling in Astronomy, Applied 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

Elective Units - Other Science = 20 credit points

Complete 20 credit points from Any 1000 or 2000 level unit coded ASTR, BIOL, CHEM, EESC, ENVS, MATH, PHYS, PSYU, STAT, BMOL, MOLS, FOSE

Elective units - PACE = 10 credit points

Complete 10 credit points from the following PACE options.

MOLS3002 PACE: Engaging the Community in Science

MOLS3003 PACE: Molecular Sciences Project

Essential Units: Major Chemistry

Complete each unit below. 80 credit points.

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

CHEM3202 Advanced Analysis and Measurement

CHEM3601 Advanced Synthesis

CHEM3801 Medicinal Chemistry

Flexible Zone = 80 credit points

You can use your flexible zone to enroll in any Undergraduate unit for which you meet the requisites. You may also use your flexible zone to complete a second major or a minor(s).

CORE ZONE

CORE ZONE

FLEXIBLE ZONE

Scan the QR code to
find out more

