

Bachelor of Science

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.

Bachelor of Science = 240 Credit points

CORE ZONE

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.

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- 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

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



Scan the QR code to find out more

Elective units - PACE = 10 credit points

Complete 10 credit points from the following PACE units.

BIOL3640 PACE: Experience in Biological Sciences

EESC3000 PACE: In Earth and Environmental Sciences

MATH3599 PACE: Professional Practice for Mathematical Sciences

STAT3599 PACE: Professional Practice for Statistical Data Sciences

MOLS3002 PACE: Engaging the Community in Science

MOLS3003 PACE: Molecular Sciences Project

PHYS3810 PACE: Professional Experience in Physics and Astronomy

Major = 80 credit points

Complete one major from the following options.

[Applied Physics](#)

[Astronomy and Astrophysics](#)

[Marine Science](#)

[Biology](#)

[Biotechnology](#)

[Chemistry](#)

[Earth and Environmental Sciences](#)

[Human Biology](#)

[Mathematics](#)

[Statistical Data Science](#)

FLEXIBLE ZONE

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).