

Bachelor of Science

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
FOSE3000 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.
<ul style="list-style-type: none"> 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	
BIOL3640	PACE: Experience in Biological Sciences
EESC3000	PACE: In Earth and Environmental Sciences
MATH3599	PACE: Professional Practice for Mathematical Sciences
MOLS3002	PACE: Engaging the Community in Science
MOLS3003	PACE: Molecular Sciences Project
PHYS3810	PACE: Professional Experience in Physics and Astronomy
PSYU3399	PACE: Psychological Science: Putting Theory into Practice
STAT3599	PACE: Professional Practice for Statistical Data Sciences

Major = 80 credit points	
Select one major from the following options	
Astronomy and Astrophysics	
Biology	
Biotechnology	
Chemistry	
Earth and Environmental Sciences	
Human Biology	
Marine Science	
Mathematics	
Physics	
Statistical Data Science	

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).	