

Bachelor of Science

Major in Earth and Environmental Sciences

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	
EESC3000	PACE: In Earth and Environmental Sciences
MOLS3002	PACE: Engaging the Community in Science

MAJOR

Major requirements = 80 credit points	
Essential units = 60 credit points	
Complete all of the following units	
EESC1150	Planet Earth
ENVS1017	The Living Environment
ENVS2364	Introduction to Geographic Information Science and Remote Sensing
ENVS2266	Earth Surface Processes
EESC2150	Mass extinctions and the hidden history of Earth
ENVS3383	Environmental Analysis Using Remote Sensing and GIS
Elective Units = 20 credit points	
Complete 20 credit points from the following units	
ENVS3238	Environmental Quality and Assessment
ENVS3240	Environmental Change
ENVS3241	Active Environments
ENVS3102	Urban Climate and Air Quality
ENVS3439	Fluvial Geomorphology and River Management

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)	