<table>
<tr><td>Programme Name</td><td>Bachelor of Science in Environmental Management</td></tr>
<tr><td>Programme Description</td><td>The new Bachelor of Science (Environmental Management) program has been designed to provide its graduates with knowledge and skills in environmental science and management as well as laboratory research, problem solving, data gathering, analysis and reporting, and inspiration to address the needs of the local community and to help with government regulation.
The Department of Meteorological and Environment Science under Faculty of Science aims to provide high quality education and research in Environmental Science and related fields. The main task of the Department is to provide excellent teaching and develop high-quality research programs.
In the last few decades, there has been a growing realization of the significance of environmental issues and challenges faced by the Pacific Island countries. Major environmental issues and challenges include impact of climate change; sea-level rise; water quality; and availability of fresh water in small islands countries; waste disposal; mining; deforestation and related land degradation; coral reef destruction; excessive usage of agrochemicals; and rapid urbanization. Small island countries, being fragile environments, one small error may contaminate an entire freshwater system or a large land area, which may destroy or render uninhabitable entire atoll island nations.
Fiji's student population, the next generation of Fiji, continues to grow while Fiji hastily moves towards development. With the much needed developmental process, vast environmental changes are to be expected, hence the requirement of better trained environmental scientists, researchers and decision makers. Their task would be to provide scientific guidance, provide technical knowledge and assist in decision making in order to support the developmental process, while protecting the environment for the benefit of the community.</td></tr>
<tr><td>Majors</td><td>Environmental Management Single major</td></tr>
<tr><td>Minimum Requirements</td><td>The minimum entry requirement for this programme 200/400 in form seven or foundation science programme, with English and Maths any two of the following subjects: Biology, Chemistry, Physics or Agriculture or Geography.
Mature students with a minimum age of 23 years and relevant work experience may also be considered for candidature.
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<tr><th>Subject</th><th>Min. Marks</th><th>Remarks</th></tr>
<tr><td>English</td><td>50</td><td>Compulsory if less than 50 need to take foundation in English</td></tr>
<tr><td>Math</td><td>50</td><td>Compulsory if less than 50 need to take foundation in Mathematics</td></tr>
<tr><td>Biology</td><td>50</td><td>Optional if less than 50 need to take foundation in Biology</td></tr>
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	<table><tr><td>**Agriculture**</td><td>**50**</td><td>**Optional if less than 50 need to take foundation in Agriculture**</td></tr><tr><td>**Physics**</td><td>**50**</td><td>**Optional if less than 50 need to take foundation in Physics**</td></tr><tr><td>**Chemistry**</td><td>**50**</td><td>**Optional if less than 50 need to take foundation in Chemistry**</td></tr><tr><td>**Geography**</td><td>**50**</td><td>**Optional if less than 50 need to take foundation in Geography**</td></tr><tr><td>**Total Mark Required**</td><td>**200/400**</td><td>**Year 13 or Foundation GPA more than 2.0**</td></tr></table> The student must pass Year 13 with 200 out of 400 marks with 50 % minimum mark in English, Mathematics and two other science subjects; either Biology, Agriculture, Physics, Chemistry or Geography OR Foundation Science with GPA of 2.00 or more to enroll into the BSc. Environmental Science program
Duration	Three Years
Programme Type	Bachelor's Degree
College Name	College of Engineering Science and Technology
Campus	Natabua, Lautoka/Nabua Suva Face to Face (Subjected to availability of Academics)
Credit Points	360

Programme Structure		
Course Code	**Course Title**	**Credit Points**
	Year 1 Semester 1	
ENS501 Sem	**Introduction to Environmental Science (Compulsory)**	**15**
ENS503 Sem	**Environmental Field Sampling (Elective)**	**15**
ETH501 Sem	**Ethics Value and Governance (Generic)**	**15**
CIN502 Sem	**Information Systems in Organizations (Generic)**	**15**
	Year 1 Semester 2	
ENS502 Sem	**Introduction to Natural Resource Management (Compulsory)**	**15**
LNG501 Sem	**English for Academic Studies(Generic)**	**15**

BIO511 Sem	Introductory Biology (Elective)	15
BIO507 Sem	Environmental Biology (Elective)	15
	Note : Student have to take any 2 Elective courses ENS503, MTH514, CHM502, BIO511 and BIO507,CHM505.	
	Total Credit Points	**120**

Course Prerequisite		
Course Code	**Course Title**	**Prerequisite**
ENS501 Sem	**Introduction to Environmental Science (Compulsory)**	
ENS502 Sem	**Introduction to Natural Resource Management (Compulsory)**	
ENS503 Sem	Environmental Field Sampling (Elective)	
ETH501 Sem	**Ethics Value and Governance (Generic)**	
CIN5XX Sem	**Computer (Generic)**	
LNG501 Sem	**English for Academic Studies(Generic)**	
CHM502 Sem	Fundamentals of Analytical Chemistry (Elective)	
MTH514 Sem	Statistics and Probability (Elective)	
CHM505 Sem	Introductory Chemistry (Elective)	
BIO511 Sem	Introductory Biology (Elective)	
BIO507 Sem	Environmental Biology (Elective)	
PHY506 Sem	Introductory Physics (Elective)	
ENS601 Sem	Environmental Biology (Elective)	

ENS602 Sem	**Environmental Issues & Management (Compulsory)**	
ENS603 Sem	**Environmental Law (Compulsory)**	
ENS604 Sem	**Environmental Research Methodologies (Compulsory)**	
ENS610 Sem	**Biodiversity Conservation and Sustainable Development (Compulsory)**	
BIO601Sem	Applied Biotechnology	
MTH602 Sem	Statistical Mathematics (Elective)	
CHM607Sem	Marine Chemistry (Elective)	
PHY601 Sem	Environmental Physics (Elective)	
CHM604 Sem	Environmental Chemistry (Elective)	
ENS701 Sem	**Climate Change & the South Pacific (Compulsory)**	**ENS502 Sem**
ENS702 Sem	Marine Ecology	
ENS703 Sem	Fiji & SP Freshwater Ecology (Elective)	
ENS704 Sem	Fiji and South Pacific Terrestrial Ecology (Elective)	
ENS705 Sem	**Fiji and South Pacific Coastal Management (Compulsory)**	
EN706 Sem	Environmental Impact Assessment (Elective)	**ENS603 Sem**
ENS708 Sem	**Geographic Information Systems (Compulsory)**	**None**
ENS709 Sem	**Field Project (Compulsory)**	**ENS604**
PHY703 Sem	Renewable and sustainable energy (Elective)	