

Programme Name	Higher Education Diploma In Environmental Sciences
Programme Description	<p>The Environmental Management Act 2005, Fiji requires that persons knowledgeable and confident in the subject of environmental management should be employed in major industry and in Government Institutions, which are responsible for protection of the environment. This is to ensure that all environmental issues related to the institutions or industry can be managed by these officers who have capability in taking decisions in the subject of environment. This Program aims to develop students' knowledge and skills in Environmental Management techniques needed to analyze, diagnose and design Environmental Management plans that is required in various industries and Institutions. This has been ensured by including units such as Environmental Field Sampling, Environmental Pollution and control, Environmental Law.</p> <ul style="list-style-type: none"> • Apply the basic knowledge and understanding of the fundamentals of Environmental Management • Analyze, comprehend and remedy the physical, chemical and biological processes affecting the environment • Become informed of major environmental challenges • Understand how scientific methods can be applied to solve/mitigate these issues • Strengthen their ability to integrate, and communicate about complex environmental issues • Successfully perform a given research method using the skills and knowledge obtained. • Gather and prepare samples for analysis. • Show competence in data gathering, statistical analysis, interpretation, and reporting of results for decision making. • Develop skills in experimental design and literature searching. • Identify environmental hazards, and display safety with chemicals, biological samples, biological wastes and waste disposal.
Majors	Environmental Science
	<p>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.</p> <p>Mature students with a minimum age of 23 years and relevant work experience may also be considered for candidature.</p>
Duration	Three Years
Programme Type	Higher Education Diploma
College Name	College of Engineering Science and Technology
Campus	Natabua, Lautoka/Nabua Suva Face to Face (Subjected to availability of Academics)
Credit Points	240

Year-1 (Semester 1&2)					
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ENS501 Sem	Introduction to Environmental Science (Compulsory)	15	ENS502 Sem	Introduction to Natural Resource Management (Compulsory)	15
ENS503 Sem	Environmental Field Sampling (Elective)	15	LNG501 Sem	English for Academic Studies(Generic)	15
ETH501 Sem	Ethics Value and Governance (Generic)	15	BIO511 Sem	Introductory Biology (Elective)	15
CIN502 Sem	Information Systems in Organizations (Generic)	15	BIO507 Sem	Environmental Biology (Elective)	15
MTH514 Sem	Statistics and Probability (Elective)	15	CHM502 Sem	Analytical Chemistry (Elective)	15
Total		60	Total		60

Note: Student have to take any 3 Elective courses from the 5 listed electives.

Year-2 (Semester 1&2)					
Course Code	Course Title	Credits	Course Code	Course Title	Credits
ENS601 Sem	Environmental Biology (Elective)	15	ENS602 Sem	Environmental Issues and Management (Compulsory)	15
ENS604 Sem	Environmental Research Methodologies (Compulsory)	15	ENS603	Environmental Law (Compulsory)	15
ENS602 Sem	Environmental Issues & Management (Compulsory)	15	ENS610 Sem	Biodiversity Conservation and Sustainable Development (Compulsory)	15
MTH602 Sem	Statistical Mathematics (Elective)	15	CHM604 Sem	Environmental Chemistry (Elective)	15
PHY601 Sem	Environmental Physics (Elective)	15	CHM607 Sem	Marine Chemistry (Elective)	15
CHM601 Sem	Instrumental Chemistry (Elective)	15			
Total		60	Total		60

Note: Students have to take any 4 Electives from the 6 listed electives.

