

Programme Name	Certificate IV in Geology, Mining and Quarrying
Programme Description	<p>The Certificate IV in Geology, Mining and Quarrying Programme aims to provide a broad based, vocational programme for the technical workforce, specializing in geology, mining and quarrying in Fiji. Emphasis will be placed wherever possible on practical “hands on” teaching methods. There will be a deliberate focus on the neglected or development minerals in particular sand and gravel given the anticipated increase in need for these commodities in the development expectations of Fiji now and in the years ahead.</p> <p>The programme can be undertaken in a two (2) years full time or four (4) years part-time studies. The full time studies consists of four (4) Quarters of the first year, preceding to a mandatory 12 months/1 year of supervised and monitored industrial training of the second year.</p>
Majors	Geology and /or Mining & Quarrying
Minimum Requirements	<ol style="list-style-type: none"> 1. Completion of Year 12 Secondary Education with a successful pass mark in the Fiji School Leaving Certificate (FSLC) Examination with a 50% or more marks in English Or Completion of Certificate III programme. 2. Matured applicants with relevant Industrial Experience subject to the approval of the Dean CEST.
Duration	2 years full or 4 years part time
Programme Type	Certificate
College Name	College of Engineering, Science and Technology
Campus	Derrick Campus, Samabula
Credit Points	120

Programme Structure		
Course Code	Course Title	Credit Points
	Year 1 Quarter 1	
COM303	Communication and Literacy 1	5
OHS301	Occupational Health and Safety 1	5
MTH301	Preliminary Mathematics	5
CIN301	Computer Use and Applications	5
ETH301	Fundamentals of Ethics	5
GMQ415	Earth, its origin and structure	5
		30
	Year 1 Quarter 2	
COM304	Communication and Literacy 2	5
GMQ421	Basic Science	5
GMQ422	Basic Surveying	5
GMQ423	Earth Materials 1	5
GMQ424	Land Management	5
GMQ425	Legislation	5

		30
	Year 1 Quarter 3	
GMQ431	Earth Materials 2	5
GMQ432	Earth Surface Processes	5
GMQ433	Engineering Properties of Rocks	5
GMQ434	Environment and Social Aspects	5
GMQ435	Map Making RS and GIS	5
GMQ436	Mineral Resources	5
		30
	Year 1 Quarter 4	
GMQ441	(Entrepreneurship) Small Business Prospects for Resource Owners	5
GMQ442	Field Study (1 week)	5
GMQ443	Mineral Economics	5
OHS402	Occupational Health and Safety 2	5
GMQ 444	Project Planning	5
GMQ 445	Quarrying Technology and Equipment	5
		30
Total Credit Points		120

Course Prerequisite		
Course Code	Course Title	Prerequisite
COM303	Communication and Literacy 1	MER
OHS301	Occupational Health and Safety 1	MER
MTH301	Preliminary Mathematics	MER
CIN301	Computer Use and Applications	MER
ETH301	Fundamentals of Ethics	MER
GMQ415	Earth, its origin and structure	MER
COM304	Communication and Literacy 2	COM303
GMQ421	Basic Science	MER
GMQ422	Basic Surveying	MTH301
GMQ423	Earth Materials 1	GMQ415
GMQ424	Land Management	GMQ415
GMQ425	Legislation	GMQ415
GMQ431	Earth Materials 2	GMQ 423
GMQ432	Earth Surface Processes	GMQ 415
GMQ433	Engineering Properties of Rocks	GMQ 423
GMQ434	Environment and Social Aspects	GMQ 421

GMQ435	Map Making RS and GIS	GMQ 422
GMQ436	Mineral Resources	GMQ 421
GMQ441	(Entrepreneurship) Small Business Prospects for Resource Owners	GMQ436
GMQ442	Field Study (1 week)	GMQ436
GMQ443	Mineral Economics	GMQ436
OHS402	Occupational Health and Safety 2	OHS301
GMQ 444	Project Planning	GMQ436
GMQ 445	Quarrying Technology and Equipment	GMQ436