

Programme Name	Diploma in Civil Engineering
Programme Description	<p>The Diploma in Civil Engineering Programme can be completed in five (5) semesters plus one (1) semester of supervised and monitored industry training. The maximum duration of the programme is three (3) years for full time students and six (6) years for part time students.</p> <p>The Diploma in Civil Engineering Programme is a curriculum based programmed aimed to educate engineering technicians to work from practical front line activities to para-professional level work such as engineering draughtsman, assistant land surveyors, project leaders, construction supervisors and building inspectors.</p>
Majors	Civil
Minimum Requirements	<p>1. Fresh School Leavers from secondary education (FSLC)</p> <p>Minimum entry requirement shall be pass in Fiji School Leaving Certificate (FSLC; 12 years of education with continuous progression) or its equivalent with at least 50 % marks in Mathematics, English, Physics, and any of the science subjects such as Chemistry, Technical Drawing and Computer Studies. The students are admitted directly in first stage of the DCE programme.</p> <p>2. Holders of Certificates at Level IV or equivalent in relevant discipline may also be admitted into the programme.</p> <p>3. Matured applicants with relevant industrial experience subject to the approval of the Dean CEST.</p>
Duration	3 years
Programme Type	Diploma
College Name	College of Engineering, Science and Technology
Campus	Derrick Campus, Samabula
Credit Points	360

Programme Structure		
Course Code	Course Title	Credit Points
	Year 1 Semester 1	
COM402	Technical Communication for Engineers	12
MTH410	Engineering Mathematics I	12
CED401	Engineering Fundamentals	12
CSD410	Introduction to Computer Applications	12
MED518	Engineering Graphics	12
	Year 1 Semester 2	
MTH519	Engineering Mathematics II	12
MED523	Engineering Workshop Practice	12
CED501	Civil Engineering Materials	12

CED502	Land Surveying I	12
CED503	Mechanics of Engineering Materials	12
Year 2 Semester 1		
CED504	Civil Measurements	12
CED505	Construction Technology	12
CED506	Hydraulics I	12
CED507	Land Surveying II	12
CED508	Mechanics of Structures I	12
Year 2 Semester 2		
MTH619	Engineering Mathematics III	12
CED601	Civil Engineering Project	12
CED602	Hydraulics II	12
CED603	Soil Mechanics	12
MED653	Renewable Energy Technology and Sustainability	12
Year 3 Semester 1		
CED604	Design of Structures	12
CED605	Highway Engineering	12
PED601	Engineering Project Management	12
PED602	Engineering Capstone Project	12
	Elective	12
Choose one (1) Elective from the following:		
CED606	Mechanics of Structures II	12
CED607	Principles of Bridge Engineering	12
CED608	Subsurface Investigation Methods	12
CED609	Traffic Engineering	
CED610	Watershed Management	12
CED611	Water Supply and Sewerage	12
IA600	Industrial Training (6 months relevant on-the-job training in any field of Civil Engineering from reputable Engineering firm in Fiji or overseas during the course of study)	60

Course Prerequisite

Course Code	Course Title	Prerequisite
COM402	Technical Communication for Engineers	MER
MTH410	Engineering Mathematics I	MER
CED401	Engineering Fundamentals	MER
CSD410	Introduction to Computer Programming	MER
MED512	Engineering Graphics	MER
MTH519	Engineering Mathematics II	MTH410
MED523	Engineering Workshop Practice	MER
CED501	Civil Engineering Materials	MER

CED502	Land Surveying I	MTH410
CED503	Mechanics of Engineering Materials	CED401
CED504	Civil Measurements	MTH519
CED505	Construction Technology	CED501
CED506	Hydraulics I	MTH410
CED507	Land Surveying II	CED502
CED508	Mechanics of Structures I	CED503
MTH619	Engineering Mathematics III	MTH519
CED601	Civil Engineering Project	CED504
CED602	Hydraulics II	CED506
CED603	Soil Mechanics	CED508
MED653	Renewable Energy Technology and Sustainability	CED505
CED604	Design of Structures	CED508
CED605	Highway Engineering	CED507
PED601	Engineering Project Management	CED504
PED602	Engineering Capstone Project	CED601
CED606	Mechanics of Structures II	CED508
CED607	Principles of Bridge Engineering	CED507
CED608	Subsurface Investigation Methods	CED603
CED609	Traffic Engineering	CED507
CED610	Watershed Management	CED602
CED611	Water Supply and Sewerage	CED602