

<b>Programme Name</b>	Bachelor of Engineering (Honors) Civil
<b>Programme Description</b>	<p>The Bachelor of Civil Engineering (Honors) Programme is a semester based study Programme with normal completion time of four (4) calendar years or eight (8) semesters; and a maximum of eight (8) calendar years or sixteen (16) semesters. For the student to complete the Programme, he/she is required to complete 32 academic units including the six (6) months relevant industrial attachment.</p> <p>It is a curriculum based Programme aimed to produce Civil Engineers to work in the different government agencies in Fiji and in private sector to assist in the vision of the development of modern engineering infrastructure for better life of people in the country.</p>
<b>Majors</b>	Civil
<b>Minimum Requirements</b>	Pass in Year 13 with 280 out of 400 marks with 50% or more marks in English, 70% or more marks in Mathematics and Physics, and pass in Technical Drawing/Applied Technology /Chemistry or any other Science or Technology subject or Completion of Foundation Science with GPA of 3.00 or more.
<b>Duration</b>	4 years
<b>Programme Type</b>	Degree
<b>College Name</b>	College of Engineering, Science and Technology
<b>Campus</b>	Derrick Campus, Samabula
<b>Credit Points</b>	480

<b>Programme Structure</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Points</b>
<b>Year 1 Semester 1</b>		
<b>COM 502</b>	Engineering Communication and Practices	15
<b>MEB 502</b>	Engineering Materials	15
<b>CEB 503</b>	Computer Aided Drafting and Modelling	15
<b>MTH 517</b>	Mathematics for Engineers I	15
<b>Year 1 Semester 2</b>		
<b>EEB501</b>	Introduction to Electrical and Electronics Engineering	15
<b>CSC 501</b>	C++ Programming for Engineers	15
<b>MEB 503</b>	Engineering Mechanics	15
<b>MTH 518</b>	Mathematics for Engineers II	15
<b>Year 2 Semester 1</b>		
<b>MTH 618</b>	Mathematics for Engineers III	15
<b>CEB 601</b>	Fluid Mechanics and Hydraulics	15
<b>CEB 614</b>	Structural Analysis	15
<b>CEB 602</b>	Engineering Surveying	15
<b>Year 2 Semester 2</b>		
<b>CEB 605</b>	Civil Engineering Technology	15
<b>CEB 606</b>	Geology and Geomechanics	15
<b>CEB 617</b>	Structural Design I	15
<b>PEB 601</b>	Design Project I	15

	<b>Year 3 Semester 1</b>	
<b>CEB 706</b>	Designs of Reinforced and Pre-cast Concrete Structure	15
<b>CEB 702</b>	Geotechnical Engineering	15
<b>CEB 703</b>	Water Resources Engineering	15
<b>PEB 702</b>	Engineering and Society	15
	<b>Year 3 Semester 2</b>	
<b>CEB 705</b>	Highway Engineering and Design	15
<b>CEB 711</b>	Structural Design II	15
<b>CEB 707</b>	Water and Waste Water Engineering	15
<b>PEB 701</b>	Design Project II	15
	<b>Year 4 Semester 1</b>	
<b>CEB 814</b>	Project Management	15
<b>CEB 804</b>	Resilient Design of Structures	15
<b>CEB 806</b>	Urban Storm Water and Environmental Management	15
<b>PEB 801</b>	Capstone Design Project I	15
	<b>Year 4 Semester 2</b>	
	Elective 1	
<b>CEB 811</b>	Coastal Engineering	15
<b>PEB 802</b>	Capstone Design Project II	30
	<b>Total Credit Points</b>	<b>480</b>

### Electives

<b>CEB 803</b>	Water Resources Systems	15
<b>CEB 807</b>	Urban Transportation System Planning	15
<b>CEB 808</b>	Rock Engineering & Design Applications	15
<b>CEB 809</b>	Remote Sensing and GIS Applications	15
<b>CEB 810</b>	Dynamics of Structures	15
<b>CEB 811</b>	Coastal Engineering	15
<b>CEB 812</b>	Advanced Structural Design	15
<b>CEB 813</b>	Airport Engineering and Design	15

### Course Prerequisite

Course Code	Course Title	Prerequisite
<b>COM 502</b>	Engineering Communication and Practices	A Pass in Fiji Seventh Form
<b>MEB 502</b>	Engineering Materials	A Pass in Fiji Seventh Form
<b>CEB 503</b>	Computer Aided Drafting and Modelling	A Pass in Fiji Seventh Form
<b>MTH 517</b>	Mathematics for Engineers I	A Pass in Fiji Seventh Form
<b>EEB501</b>	Introduction to Electrical and Electronics Engineering	Minimum entry requirement into BE (Hons) (Electrical)
<b>CSC 501</b>	C++ Programming for Engineers	A Pass in Fiji Seventh Form
<b>MEB 503</b>	Engineering Mechanics	A Pass in Fiji Seventh Form
<b>MTH 518</b>	Mathematics for Engineers II	Pass In MTH 517
<b>MTH 618</b>	Mathematics for Engineers III	Pass In MTH 518
<b>CEB 601</b>	Fluid Mechanics and Hydraulics	MEB503 - Engineering Mechanics
<b>CEB 614</b>	Structural Analysis I	Engineering Mechanics (MEB503)
<b>CEB 602</b>	Engineering Surveying	Engineering Mechanics (MEB503)
<b>CEB 605</b>	Civil Engineering Technology	Engineering Materials (MEB502)
<b>CEB 606</b>	Geology and Geomechanics	CEB601, Fluid Mechanics and Hydraulics
<b>PEB 601</b>	Design Project I	Pass Year 1 Units
<b>CEB 617</b>	Structural Design I	CEB614– Structural Analysis
<b>CEB 702</b>	Geotechnical Engineering	CEB606, Geology and Geomechanics
<b>CEB 703</b>	Water Resources Engineering	CEB601 – Fluid Mechanics and Hydraulics
<b>PEB 702</b>	Engineering and Society	PEB601
<b>CEB 705</b>	Highway Engineering and Design	CEB702, Geotechnical Engineering
<b>CEB 711</b>	Structural Design II	CEB706
<b>CEB 706</b>	Design of Reinforced and Pre-cast Concrete Structures	CEB617 Structural Design I
<b>CEB 707</b>	Water and Waste Water Engineering	CEB703, Water Resources Engineering
<b>PEB 701</b>	Design Project II	PEB601 Design Project 1
<b>CEB 806</b>	Urban Storm Water and Environmental Management	CEB707, Water and Waste Water Engineering
<b>PEB 801</b>	Capstone Design Project I	PEB701, Design Project 2
<b>PEB 802</b>	Capstone Design Project II	PEB801, Capstone Design Project 1
<b>CEB 803</b>	Water Resources Systems	CEB703, Water Resources Engineering
<b>CEB 804</b>	Resilient Design of Structures	CEB706, Design of reinforced and Pre-Cast
<b>CEB 805</b>	Design of Bridges	CEB706, Design of reinforced and Pre-Cast
<b>CEB 807</b>	Urban Transportation System Planning	CEB 705, Highway Engineering and Design
<b>CEB 808</b>	Rock Engineering & Design Applications	CEB 702, Geotechnical Engineering
<b>CEB 809</b>	Remote Sensing and GIS Applications	Engineering Surveying (CEB602)
<b>CEB 810</b>	Dynamics of Structures	Engineering Mechanics (MEB503)
<b>CEB 811</b>	Coastal Engineering	CEB 706, Design of Reinforced and

<b>CEB 812</b>	Advanced Structural Design	CEB 706, Design of Reinforced and Pre-Cast Concrete Structures
<b>CEB 813</b>	Airport Engineering and Design Applications	CEB705, Highway Engineering and Design