

Table 2. Programme Structure

Period	Unit Code	Technical Description	Level	Total Contact Hours	Total Self Directed Learning Hours	Total Hours	Credit Points
Year 1, Sem 1	LNG501	English for Academic Studies	5	84	96	180	12
	BEN502	Engineering Computation 1	5	75	105	180	12
	BEN503	Engineering Physics	5	84	96	180	12
	BEN504	Engineering Graphics	5	90	90	180	12
	BEN505	Material Science	5	84	96	180	12
Subtotal				417	483	900	60
Year 1, Sem 2	BEN506	Introduction to Electrical & Electronics Engineering	5	84	96	180	12
	BEN507	Introduction to Computer Programming	5	84	96	180	12
	BEN508	Engineering Mechanics	5	73	107	180	12
	BEN509	Workshop Practice	5	114	66	180	12
	BEN601	Engineering Computation 2	6	98	82	180	12
Subtotal				453	447	900	60
Year 2, Sem 1	BEC602	Surveying for Engineers	6	70	110	180	12
	BEC603	Geomechanics	6	91	89	180	12
	BEC604	Hydraulics 1	6	91	89	180	12
	BEC605	Structural Mechanics for Engineers	6	70	110	180	12
	BEC606	Engineering Geology	6	82	98	180	12
Subtotal				404	496	900	60
Year 2, Sem 2	BEC607	Engineering Analysis and Problem Solving	6	70	140	210	14
	BEC608	Earthworks, Curves & Hydrographic Survey	6	70	170	240	16
	BEC609	Hydraulics 2	6	70	170	240	16
	BEC610	ODEs & Numerical Analysis	6	84	126	210	14
Subtotal				294	606	900	60
Year 3, Sem 1	BEC701	Design and Analysis of Timber Structures	7	82	128	210	14
	BEC702	Design and Analysis of Steel Structures	7	82	128	210	14
	BEC703	Geotechnical Engineering	7	82	158	240	16
	BEC704	Engineering Hydrology	7	70	170	240	16
Subtotal				316	584	900	60
Year 3, Sem 2	BEC705	Reinforced Concrete Structures	7	70	170	240	16
	BEC706	Foundation Engineering	7	70	140	210	14
	BEC707	Civil Measurement and Tendering	7	70	170	240	16
	BEC708	Design of Masonry Structures (Project)	7	98	112	210	14
	Elective						
	BEC709	Airport Engineering	7	70	140	210	14
Subtotal				308	592	900	60
Year 4, Sem 1	BEC710	Water Resource Engineering	7	70	170	240	16
	BEC711	Civil Engineering Technology	7	70	140	210	14
	BEC712	Highway Engineering & Design Application	7	76	164	240	16
	BEC713	Ports, Harbor & Basic Coastal Engineering	7	78	132	210	14
Subtotal				294	606	900	60
Year 4, Sem 2	BEC714	Project Management	7	70	140	210	14
	BEC716	Structural Analysis	7	70	170	240	16
	BEC718	Advance Water Engineering Project	7	150	90	240	16
Elective(Choose one elective for study)							
	BEC715	Irrigation Engineering	7	70	140	210	14
	BEC717	Earthquake Engineering	7	70	170	240	16
Subtotal				360	540	900	60
Attachment (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)							