

Fiji National University		Programme Descriptor	
Code: <b>MEC</b>	Title: <b>Bachelors of Engineering (Mechanical)</b>		
Minimum entry requirements: Fiji Form Seven Examination or equivalent with good passes in Mathematics, English, Physics and any other relevant subjects to a minimum of 280 marks.			
Year One			
Semester 1		Semester 2	
Unit Code	Unit Title	Unit Code	Unit Title
LNG501	English for Academic Studies	BEN506	Introduction to Electrical and Electronics Engineering
BEN502	Engineering Computation 1	BEN601	Engineering Computation 2
BEN503	Engineering Physics	BEN507	Introduction to Computer programming
BEN504	Engineering Graphics	BEN508	Engineering Mechanics
BEN505	Material Science	BEN509	Workshop Practice
Year two			
Semester 1		Semester 2	
Unit Code	Unit Title	Unit Code	Unit Title
MEC602	Project (Mechanical)	MEC702	Engineering Computation 3
MEC603	Engineering Planning	MEC605	Manufacturing Technology
MEC604	Engineering Management	MEC606	Solid Mechanics
MEC701	Computer Aided Design and Analysis	MEC607	Dynamics
Year Three			
Semester 1		Semester 2	
Unit Code	Unit Title	Unit Code	Unit Title
MEC703	Design Project (Mechanical)	MEC705	Renewable Energy
MEC709	Quantitative Techniques	MEC710	Advanced Industrial Computing
MEC704	Mechanisms and Dynamics of Machinery	MEC707	Thermodynamics
MEC706	Mechatronics	MEC708	Fluid Mechanics and Heat Transfer
Year Four			
Semester 1		Semester 2	
Unit Code	Unit Title	Unit Code	Unit Title
MEC711	Engineering Studies	MEC714	Mechanical Design and Analysis
MEC713	Industrial Project (Mechanical) A	MEC715	Advanced Operations Management
MEC718	Mechanical Behavior of Materials	MEC717	Industrial Project (Mechanical) B
MEC712	Elective : PLUS ONE OF THE FOLLOWING: Advanced Manufacturing Technology	MEC719	Internal Combustion Engines
MEC716	OR Automation Systems		
Total requirement: 480 credits plus 6 months relevant industrial experience.			