Programme Name	**Certificate IV in Aircraft Maintenance Engineering - Mechanical**
Programme Description	In undertaking this course you will be trained to maintain reciprocating/jet engines and Fixed wing and Rotary wing aircraft.Awareness of OHS/Human Factors/ETOPs/CAAF regulations.You will be trained on complex aircraft systems including-Electrical/Hydraulics/Pneumatics/Pressurisation/Theory of flight/Structures and upon successful completion you will be able to undertake your CAAF AMC exams.
Majors	Mechanical
Minimum Requirements	A 280/400 pass in the Fiji School Leaving Certificate (FSLC) with at least 50% in English, Maths, Physics and one other Science or Technology subject.
Duration	3 Academic Years
Programme Type	Certificate
College Name	College of Engineering, Science & Technology
Campus	Nadi Aviation
Credit Points	**240**

Programme Structure		
Course Code	**Course Title**	**Credit Points**
	Year 1 Semester 1	
AML401	Air Legislation	7
AML402	Safety Management Systems	7
AMM311	Occupational Health and Safety (Aero)	7
AMM314	Trade Technology and Practices	7
AMM315	Aircraft Basic Science	7
AMM316	Fabrication and Metallurgy	7
AMM312	Basic Electricity A	7
AMM313	Basic Electricity B	7
	Year 1 Semester 2	
AMM321	Aircraft Electrical Systems	7
AMM322	Aircraft Metalwork A	7
AMM323	Aircraft Metalwork B	7
AMM324	Aircraft Metalwork C	7
AMM325	Aircraft Maintenance Practices A	7
AMM326	Introduction To Aircraft Maintenance	7
AMM327	Composites	7
AMM328	Theory of Flight	7

	Year 2 Semester 1	8
AMM431	Piston Engine Theory and Construction	8
AMM432	Piston Engine Systems	8
AMM433	Piston Engine Maintenance	8
AMM434	Aircraft Propellers	8
AMM435	Aircraft and Engine Instrument Systems	8
AMM437	Gas Turbine Principles and Construction	8
AMM438	Gas Turbine Systems	8
AMM439	Gas Turbine Maintenance	8
	Year 2 Semester 2	
	1 Year on Job-Training	
	Year 3 Semester 1	
	1 Year on Job-Training	
	Year 3 Semester 2	
AMM441	Aircraft Structures and Systems	8
AMM443	Aircraft Flight Controls	8
AMM445	Aircraft Maintenance Practices B	8
AMM442	Fluid Power Systems	8
AMM444	Auxiliary Systems	8
AMM446	Helicopters	8
AMM447	Aircraft Environmental Systems	8
AMM448	Mobile Air-conditioning Systems & Refrigerants	8
	Total Credit Points	**240**

Course Prerequisite		
Course Code	**Course Title**	**Prerequisite**
	Year 1 Semester 1	
AML401	Air Legislation	MER
AML402	Introduction to Aviation and OHS	MER
AMM311	Occupational Health and Safety (Aero)	MER
AMM314	Trade Technology and Practices	AMM311
AMM315	Aircraft Basic Science	MER
AMM316	Fabrication and Metallurgy	MER
AMM312	Basic Electricity A	AMM311
AMM313	Basic Electricity B	AMM312

	Year 1 Semester 2	
AMM321	Aircraft Electrical Systems	AMM313
AMM322	Aircraft Metalwork A	AMM314
AMM323	Aircraft Metalwork B	AMM322
AMM324	Aircraft Metalwork C	AMM323
AMM325	Aircraft Maintenance Practices A	AMM314
AMM326	Introduction To Aircraft Maintenance	AMM315
AMM327	Composites	AMM314
AMM328	Theory of Flight	AMM316
	Year 2 Semester 1	
AMM431	Piston Engine Theory and Construction	AMM324
AMM432	Piston Engine Systems	AMM431
AMM433	Piston Engine Maintenance	AMM432
AMM434	Aircraft Propellers	AMM422
AMM435	Aircraft Instrument Systems	AMM315
AMM436	Aircraft Engine Instrument Systems	AMM435
AMM437	Gas Turbine Principles and Construction	AMM314
AMM438	Gas Turbine Systems	AMM437
AMM439	Gas Turbine Maintenance	AMM438
	Year 2 Semester 2	
	1 Years/12 months on Job-Training	
	Year 3 Semester 1	
	1Years/12 months on Job-Training	
	Year 3 Semester 2	
AMM441	Aircraft Structures and Systems	AMM315
AMM443	Aircraft Flight Controls	AMM328
AMM445	Aircraft Maintenance Practices B	AMM325
AMM442	Fluid Power Systems	AMM441
AMM444	Auxiliary Systems	AMM441
AMM446	Helicopters	AMM328
AMM447	Aircraft Environmental Systems	AMM444
AMM448	Mobile Air-conditioning Systems	AMM447
ACR304	Refrigerants	AMM447