

<b>Programme Name</b>	<b>Certificate IV in Aircraft Maintenance Engineering - Avionics</b>
<b>Programme Description</b>	In undertaking this course you will be trained to maintain avionics equipment and systems, on Fixed wing and Rotary wing aircraft, Awareness of OHS/Human Factors/ETOPs/ and CAAF regulations. You will be trained on complex aircraft systems Including Electrical/Instruments/Radio/ /Navigation and Auto Pilot Systems. Upon successful completion you will be able to undertake your CAAF AMC exams.
<b>Majors</b>	Avionics
<b>Minimum Requirements</b>	A 280/400 mark pass in the Fiji School Leaving Certificate [FSLC] in English, with at 50% in Mathematics, Physics and one other Science or Technology subject.
<b>Duration</b>	3 Academic Years.
<b>Programme Type</b>	Full time
<b>College Name</b>	College of Engineering, Science & Technology
<b>Campus</b>	Nadi Aviation
<b>Credit Points</b>	240

<b>Programme Structure</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Points</b>
<b>Year 1 Semester 1</b>		
COM402	Technical Communication for Engineers	7
OHS403	Occupational Health & Safety [Fiji]	7
AMA311	Introduction to Aviation and OHS	7
AMA312	AC Maintenance Practices (General)	7
AMA313	AC Materials and Processes	7
AMA314	Electrical Fundamentals DC Theory 1	7
AMA321	AC Servicing and Handling	7
AMA322	Maintenance Practices - Avionics 1	7
AMA323	Maintenance Practices Avionics 2	7
<b>Total CP</b>		<b>63</b>
<b>Year 1 Semester 2</b>		
On the Job Training		
<b>Year 2 Semester 1</b>		
AMA324	Electrical Fundamentals DC Theory 2	7
AMA325	Electrical Fundamentals DC Theory 3	7
AMA326	AC Theory and Power Systems 1	7
AMA331	AC Theory and Power Systems 2	7
AMA332	AC Theory and Power Systems 3	7
AMA333	AC Electrical Systems 1	7
AMA334	AC Instrument Systems 1	7
AMA335	AC Instrument Systems 2	7
AMA336	Analogue Fundamentals 1	7

		<b>63</b>
	<b>Year 2 Semester 2</b>	
AMA441	Analogue Fundamentals 2	8
AMA442	AC Electrical Systems 2	8
AMA443	AC Electrical Systems 3	8
AMA444	AC Instrument Systems 3	8
AMA445	Analogue Fundamentals 3	8
AMA446	Digital Techniques 1	8
AMA451	Digital Techniques 2	8
AMA452	Radio Principles 1	8
AMA453	Radio Principles 2	8
	<b>Total CP</b>	<b>72</b>
	<b>Year 3 Semester 1</b>	
	On the Job Training	
	<b>Year 3 Semester 2</b>	
AMA454	Radio Principles 3	8
AMA455	AC Environmental Systems	8
AMA456	Digital Techniques 3	8
AMA461	Pulse Systems	8
AMA462	Radio Navigation Systems	8
AMA463	Flight Controls and Flight Director Systems	8
AMA464	Automatic Flight Control Systems	8
AMA465	Inertial Navigation and Inertial Reference Systems	8
AMA466	AC Oxygen Systems	8
		<b>72</b>

<b>Course Prerequisite</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Prerequisite</b>
	<b>Year 1 Semester 1</b>	
COM402	Technical Communication for Engineers	MER
OHS403	Occupational Health & Safety [Fiji]	MER
AMA311	Introduction to Aviation and OHS	MER
AMA312	Aircraft Maintenance Practices (General)	AMA311
AMA313	Aircraft Materials and Processes	AMA312
AMA314	Electrical Fundamentals DC Theory 1	AMA311
AMA321	Aircraft Servicing and Handling	AMA313
AMA322	Maintenance Practices - Avionics 1	AMA313
	<b>Year 2 Semester 1</b>	
AMA323	Maintenance Practices - Avionics 2	AMA322
AMA325	Electrical Fundamentals DC Theory 2	AMM314
AMA326	AC Theory and Power Systems 1	AMM325
AMA332	AC Theory and Power Systems 2	AMA326
AMA333	Aircraft Electrical Systems 1	AMA332

AMA334	Aircraft Instrument Systems 1	MER
AMA335	Aircraft Instrument Systems 2	AMA334
AMA336	Analogue Fundamentals 1	MER
	<b>Year 2 Semester 2</b>	
AMA442	Aircraft Electrical Systems 2	AMA333
AMA443	Aircraft Electrical Systems 3	AMA442
AMA444	Aircraft Instrument Systems 3	AMA335
AMA445	Analogue Fundamentals 2	AMA336
AMA446	Digital Techniques 1	AMA445
AMA452	Radio Principles 1	AMA445
AMA453	Radio Principles 2	AMA452
AMA454	Radio Principles 3	AMA453
	<b>Year 3 Semester 2</b>	
AMA455	Aircraft Environmental Systems	AMA334
AMA456	Digital Techniques 2	AMA446
AMA461	Pulse Systems	AMA454
AMA462	Radio Navigation Systems	AMA461
AMA463	Flight Controls and Flight Director Systems	AMA446
AMA464	Automatic Flight Control Systems	AMA463
AMA465	Inertial Navigation and Inertial Reference Systems	AMA334
AMA466	Aircraft Oxygen Systems	AMA455