

SCHOOL OF AVIATION

PROGRAM OUTCOMES

PROFESSIONAL COURSES		repair aircraft electronic systems with emphasis placed on communication, navigation and flight management systems.	installation/testing/replacing avionic systems components and line replaceable units (LRU).	an ability to indicate the information in aircraft electronics and system as well as appropriate with FAA (Federal Aviation Authority) regulation.	an ability to demonstrate knowledge about aviation industry such as; Current status, Segment and Opportunities.	an ability to demonstrate critical thinking in technical troubleshooting.	an ability to reach the standard requirements relating to the safety and airworthiness of the aircraft in part as appropriate.	knowledge of the privileges, responsibilities, and limitations applying to avionics technician certified to perform aircraft maintenance.	an ability to perform servicing, maintaining and repairing of avionics parts, components and systems, as well rotary and fixed wing, including their internal system and ground support equipment.
AVT 1101	Theory of Flight (Fixed and Rotary Wings)			Introduced	Introduced	Introduced	Introduced		
AVT 1102	Avionics Hand Tools and Equipments-LEC						Introduced	Introduced	Introduced
AVT 1102L	Avionics Hand Tools and Equipments-LAB						Introduced	Introduced	Introduced
AVT 1103	Aircraft Electricity (AC/DC)-LEC	Introduced	Introduced	Introduced		Introduced	Introduced	Introduced	Introduced
AVT 1103L	Aircraft Electricity (AC/DC)-LAB	Introduced	Introduced	Introduced		Introduced	Introduced	Introduced	Introduced
AVT 1104	Fundamental Wiring Techniques(Connectors,Crimping& Soldering)-LEC	Introduced	Introduced	Introduced		Introduced	Introduced	Introduced	Introduced
AVT 1104L	Fundamental Wiring Techniques(Connectors,Crimping& Soldering)-LAB	Introduced	Introduced	Introduced		Introduced	Introduced	Introduced	Introduced
AVT 1105	Radio Laws and Regulations			Introduced	Introduced				
AVT 1106	Engineering Drawing 1					Introduced			



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AVT 1207	Aircraft Navigation System Avoidance System-LEC	Introduced	Introduced	Developed	Introduced	Developed	Developed	Developed	Developed
AVT 1207L	Aircraft Navigation System Avoidance System-LAB	Developed	Developed	Developed	Introduced	Developed	Developed	Developed	Developed
AVT 1208	Analog/Digital Devices & Circuits-LEC	Developed	Developed	Developed		Developed	Developed	Developed	Developed
AVT 1208L	Analog/Digital Devices & Circuits-LAB	Developed	Developed	Developed		Developed	Developed	Developed	Developed
AVT 1209	Aircraft Communications/ SATCOM	Introduced	Introduced	Developed	Introduced	Developed	Developed	Developed	Developed
AVT 1210	Electronic 1 (Fundamentals of Solid State Devices)-LEC	Developed	Developed	Developed		Mastered	Developed	Developed	Developed
AVT 1210L	Electronic 1 (Fundamentals of Solid State Devices)-LAB	Developed	Developed	Developed		Mastered	Developed	Developed	Developed
AVT 1211	Aircraft Instruments System-LEC	Introduced	Introduced	Developed	Introduced	Developed	Developed	Developed	Developed
AVT 1211L	Aircraft Instruments System-LAB	Introduced	Introduced	Developed	Introduced	Developed	Developed	Developed	Developed
AVT 1212L	Microprocessors-LAB			Mastered		Mastered			
AVT 1213	Aircraft Cleaning and Corrosion Control-LEC	Developed		Mastered	Developed	Mastered	Mastered	Mastered	Mastered
AVT 1213L	Aircraft Cleaning and Corrosion Control-LAB	Developed		Mastered	Developed	Mastered	Mastered	Mastered	Mastered



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AVT 1214	Mechanical Drawing & Blue Print Reading				Developed	Mastered	Developed		Developed
AVT 1215	Applied Mathematics for Aviation					Developed			

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AVT 2116	Auto Flight System (Electronic Flight Instrument System)	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2117	Auxiliary System	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2118	Electronics 2 - Planning the Installation-LEC	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2118L	Electronics 2 - Planning the Installation-LAB	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2119	Radio&Antenna System-Aviation Bands&Frequencies-LEC	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2119L	Radio&Antenna System-Aviation Bands&Frequencies-LAB	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2120	Avionics Line Maintenance Safety-LEC	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2120L	Avionics Line Maintenance Safety-LAB	Mastered	Mastered	Mastered		Mastered	Mastered	Mastered	Mastered
AVT 2121	Flight Management System	Mastered	Mastered	Mastered	Mastered	Mastered	Mastered	Mastered	Mastered
AVT 2122	Differential Calculus					Mastered			



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AVT 3130	Principle of Communications			Mastered	Mastered	Mastered			
AVT 3131	Radar Principles & Technology			Mastered	Mastered	Mastered			
AVT 3132	Aviation Physics 1-LEC				Mastered	Mastered			
AVT 3132L	Aviation Physics 1-LAB				Mastered	Mastered			
AVT 3133	Logic Circuit & Servo Switching-LEC				Mastered	Mastered			
AVT 3133L	Logic Circuit & Servo Switching-LAB				Mastered	Mastered			



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AVT 3234	Avionics Maintenance	Mastered	Mastered	Mastered	Mastered	Mastered	Mastered	Mastered	Mastered
AVT 3235	Statics of Rigid Bodies					Mastered			
AVT 3236	Aviation Physics 2-LEC				Mastered	Mastered			
AVT 3236L	Aviation Physics 2-LAB				Mastered	Mastered			



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AVT 4137	Communication System Analysis			Mastered	Mastered	Mastered			
AVT 4138	Dynamics of Rigid Bodies				Mastered	Mastered			
AVT 4139	Mechanics of Deform Bodies				Mastered	Mastered			
AVT 4140L	Rigging Shop				Mastered	Mastered	Mastered		



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