

**AVIONICS MAINTENANCE TECHNICIAN PROGRAM
Year 1- Semester 1 Book List and Cost**

ISBN #	Book Title	Book Costs
9780135073087	Principles of Electric Circuits: Electron Flow	195.25
9781560277286	Aircraft Inspection, Repair & Alterations	24.25
	Note Packs (printed @ College)	18.40
9780132496025	Basic Electricity & Electronics Custom	133.25
9780135073087	Principles of Electric Circuits: Electron Flow	195.25
	Solder Practice Kit Model 300	24.00
9780884873310	A & P Technician Airframe Textbook	65.50
9780891003915	A & P Technician Airframe	1.25
9780138598280	Modern Electronic Communication	<u>TBA</u>
	Total	657.15

Year 2- Semester 3 Book List and Cost

ISBN #	Book Title	Book Costs
9781560275916	Aviation Mechanic Handbook	16.50
9781560277101	Aviation Maintenance Technician: Powerplant	68.75
9780028018591	Aircraft Electricity & Electronics	119.25
9780970810915	Avionics: Systems & Trouble Shooting	60.00
9780891004363	Avionics Systems	<u>44.75</u>
	Total	309.25

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AVIONICS Tool List (Year 1)

1 pair Safety Glasses

1 pair Safety Footwear

1 Navy blue Coveralls with name tag

1 Small Tool Box

1 Flashlight

1 Scientific calculator with 1/X, trigonometry and exponent functions

1 Mini Alligator jumper lead set

1 Diagonal Cutters- Flush Cut (miniature 4")

1 Needle Nose pliers (miniature 4")

1 Wire Stripper, AWG 16 to 22 minimum

1. Six Inch Pocket rule (metal)

1 set Jewellers screwdriver set (minimal #0, #1 Phillips and approximately a 2mm and 4 mm standard)

1 Screwdriver bit holder (magnetic tip)

1 High quality screwdriver bits standard flat tip 1/4" and 1/8" and ,

Phillips #1 and #2

1 Exacto Knife

1 pink eraser

1 old toothbrush

1 Scribe or dental pick for Soldering

1 Non-Metallic (wood or plastic) scribe example Popsicle stick

1 set RF Alignment set (tuning wands)

1 locking Tweezers (**optional**)

1 Small Vice or any type of 3rd hand (**optional**)

1 Centre punch

1 8" standard (slot type) screwdriver

1 Pin Punch Set (3/32, 1/8, 5/32)

1 8 oz. ball-peen hammer

1 Soft-faced Hammer

1 set Mini File Kit

1 set Feeler Gauge (.0015 - .035")

AVIONICS Tool List (Year 2)

1 Digital Voltmeter

1 tape measure

1 Inspection Mirror

1 set Allen Wrench Set

(.050, 1/16, 5/64, 3/32, 7/64, 1/8)

1 set Combination Wrench Set (1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")

1 Adjustable Wrench 6", 8" or 10"

1 Thin (1/8") Combination Wrench 3/8 x 7/16

1 set 1/4" Drive Socket Kit

Sockets – 12 Point (3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2)

Extensions 2" & 4"

Universal Joint adapter

1 set 3/8" drive ratchet set (12 point sockets)

1 pair Diagonal Cutters 6"

1 pair Duckbill Pliers 1-5/16" Jaw

1 pair Needle Nose pliers 6"

1 Needle Nose Vise Grips

1 pair Slip-joint pliers 6" or 8"

1 Magnetic Tip Screwdriver

4 Phillips Screwdrivers (#0, #1, #2, #3)

1 Stubby Screwdriver (Phillips #1)

1 Stubby Screwdriver (Phillips #2)

1 Offset Screwdriver (Phillips #1, #2 & Standard Flat Tip)

3 Flat Tip Screwdriver (6", 8", 10")

1 Stubby Screwdriver Flat Tip

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AVIONICS MAINTENANCE TECHNICIAN PROGRAM CURRICULUM - STARTING FALL 2010

SEM

1 FALL 2010

AVN121 Basic Electricity & Electronics
AVN160 Installation Practices I
AMT100 Aircraft Science and Aerodynamics
MTH116 Mathematics for Avionics Maintenance Technicians

SEM 2 WINTER 2011

AVN201 Digital & Microcomputer Techniques
AVN221 Electronic Circuits & Communication Systems
AVN260 Installation Practices II
AVN400 Basic Aircraft Structures
CMM140 Communications for the Technologies I

SEM 3 FALL 2011

AVN300 Aircraft Science and Aerodynamics II
AVN310 Aircraft Electrical Systems
AVN320 Aircraft Hydraulic and Pneumatic Power Systems
AVN330 Communication Systems 1
AVN340 Navigation Systems 1
AVN350 Aircraft Engines and Systems
AVN365 Avionics System Integration and Interfacing

SEM 4 WINTER 2012

AVN410 Aircraft Maintenance
AVN415 Navigation Systems II
AVN420 Communication Systems II
AVN425 Flight Management Systems
AVN430 Aircraft Systems Troubleshooting
AMT402 Aircraft Maintenance Procedures & Regulations
AMT415 Principles of Aircraft Maintenance Management

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