





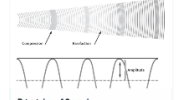




Part 147 Electricity Subject Areas

 <p>Direct Current 1 AET by the chapter</p>	<p><u>Direct Current 1</u> The Atom: Matter, Energy, and Electricity Magnetism Electrical Characteristics</p>
 <p>Direct Current 2 AET by the chapter</p>	<p><u>Direct Current 2</u> DC Calculations Series DC Circuits, Parallel DC Circuits Bridge Circuits Circuit Analysis and Troubleshooting</p>
 <p>Concepts of Alternating Current 1 AET by the chapter</p>	<p><u>Concepts of Alternating Current 1</u> Alternating Current Inductance Capacitance</p>
 <p>Concepts of Alternating Current 2 AET by the chapter</p>	<p><u>Concepts of Alternating Current 2</u> AC Calculations Transformers</p>
 <p>Basic Components AET by the chapter</p>	<p><u>Basic Components</u> Circuit Control Devices Circuit Protection Devices Electrical Resistors</p>
 <p>Introduction to Solid State Components AET by the chapter</p>	<p><u>Introduction to Solid State Components</u> Semiconductor Diodes Introduction to Transistors Electrostatic Discharge Sensitive Components</p>
 <p>Advanced Solid-State Components AET by the chapter</p>	<p><u>Advanced Solid-State Components</u> Special Diodes Advanced Transistors</p>
 <p>Digital Theory AET by the chapter</p>	<p><u>Digital Theory</u> Numbering Systems Logic Functions</p>
 <p>Frequency Generation AET by the chapter</p>	<p><u>Frequency Generation</u> Amplifiers Oscillators Filters Waves and Wave Shaping</p>
 <p>Generation and Storage of Electricity AET by the chapter</p>	<p><u>Generation and Storage of Electricity</u> The Battery Generators Alternators</p>


Part 147 General Subject Areas

 <p>Fundamentals of Flight AET by the chapter</p>	<p>Fundamentals of Flight Theory of Flight, Airfoils, Thrust and Drag Aircraft Stability Aircraft Controls, Transport Aircraft Control Surfaces, Control Systems</p>
 <p>Aircraft Safety AET by the chapter</p>	<p>Aircraft Safety Shop Safety Fire Protection Safety on the Flightline</p>
 <p>Aircraft Corrosion/Manuals/Drawings AET by the chapter</p>	<p>Aircraft Corrosion/ Manuals/ Drawings Corrosion Prevention and Control Manufacturer's Maintenance Manuals Purpose and Function of Aircraft Drawings</p>
 <p>Tools and Test Equipment 1 AET by the chapter</p>	<p>Tools and Test Equipment 1 Tool Procedures and Practices Measuring Tools General Purpose Tools</p>
 <p>Tools and Test Equipment 2 AET by the chapter</p>	<p>Tools and Test Equipment 2 Cutting Tools Power Tools Soldering Tools, Conductor Termination</p>
 <p>Bernoulli's Principle Why do airplanes fly?</p>	<p>Bernoulli's Principle This course covers the basics of Bernoulli's Principle, as well as how it is used in various aircraft components. It also shows some simple demonstrations that can be done at home or in the classroom to prove that Bernoulli's Principle really works.</p>
 <p>Principles of Sound Why do airplanes fly?</p>	<p>Principles of Sound This program provides some of the base knowledge to help you understand how sound is created, how it is propagated, and the effects it can have on aircraft and personnel.</p>



Part 147 Powerplant Subject Areas

 <p>J34 Turbojet Engine Disassembly & Reassembly of the Westinghouse J34 Turbojet Engine</p>	<p>J-34 Turbojet Engine A step by step guide to the tools and procedures used for the disassembly and reassembly of the Westinghouse J34 turbojet engine as it may be accomplished at an AMT school.</p>
 <p>Slick Magnets Servicing the Slick 4200 & 5200 Series Magnets</p>	<p>Slick Magnetos This course covers disassembly, inspection, cleaning, reassembly and timing. Additionally, the tasks associated with the 100-hour/annual and 500-hour inspections are demonstrated.</p>

Part 147 Airframe Subject Areas

 <p>Vapor Cycle Air Conditioning Systems Refrigeration theory, servicing equipment, and service procedures for aircraft vapor cycle air conditioning</p>	<p>Vapor Cycle Air Conditioning Systems This program introduces the components of the system, the equipment used for servicing these systems, and demonstrates the basic service operations performed in the aircraft maintenance facility.</p>
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AET Test Preparation Packages

 <p>Fundamentals of Aircraft Electronics Part I - Electricity and Electronics A Study Guide for AET Certification</p>	<p>Part I - Electricity and Electronics A guide to aircraft electronics associated with AET certification. This course has been produced to present the material covered in the companion textbook and workbook and provide a complete learning experience at home, at work, or in a school setting. This package contains eight of the subjects listed above.</p>
 <p>Fundamentals of Aircraft Electronics Part II - Maintenance Practices, and A Study Guide for AET Certification</p>	<p>Part II - Maintenance Practices and Aircraft Fundamentals This group of courses covers much of the non-electrical material that is presented in the General Section of Part 147. The package contains five of the subjects listed above.</p>

These courses can be found at <https://avotek-online.com/> At that address you will also find a free sample course to let you see how the content is presented. Also, by clicking on a course you are interested in you will be able to see the subjects covered and the run-time of video presentations.

In addition to these online courses, Avotek has uploaded samples from five of the courses to YouTube. These can be found by entering Avotek Training in the YouTube search bar.

To help schools take advantage of this resource we are offering special enterprise pricing based on the number of students you will be enrolling in each course. Contact Mike Leo to discuss how you can get special pricing. 1.800.828.6835 or email at Sales@avotek.com.