

# PROFESSIONAL STUDIES: AVIATION MAINTENANCE MANAGEMENT

What can I do with this degree?

AREAS	EMPLOYERS	PREPARATION
<ul style="list-style-type: none"> <li>Aviation maintenance mechanics, including airframe and power plant technicians, avionics technicians, and instrument repair personnel have the important responsibility of keeping airplanes and their equipment working safely and efficiently. They service, repair, and overhaul various aircraft components and systems including airframes, engines, electrical and hydraulic systems, propellers, avionics equipment, and aircraft instruments.</li> <li>In recent years their work has changed greatly because of advances in computer technology, solid state electronics, and composite structural material.</li> <li>Depending upon the type of work they do, aircraft mechanics and repairmen work in hangars, on the flight line, or in repair shops. They use hand and power tools along with test equipment. Noise levels are high.</li> <li>Flight line mechanics often work outdoors in inclement weather conditions when making emergency repairs. Sometimes the work requires the use of ladders or scaffolds and the physical demands can be heavy.</li> </ul>	<p><b>AIRLINES</b></p> <ul style="list-style-type: none"> <li>Aircraft mechanics employed by the airlines perform either line maintenance work including routine maintenance, servicing, or emergency repairs at airline terminals, or major repairs and periodic inspections at an airline's overhaul base.</li> <li>Aircraft mechanics in general aviation perform maintenance and repair jobs similar to those performed by airline mechanics, but they may work on small piston-engine or larger turbine-powered aircraft, depending on the type of business the facility specializes in.</li> </ul> <ul style="list-style-type: none"> <li>Repair Stations</li> <li>Overhaul and maintenance</li> <li>Government facilities</li> <li>Independent repair shops</li> <li>Self-employed</li> </ul>	<ul style="list-style-type: none"> <li>An aircraft mechanic may be licensed or unlicensed.</li> <li>The licensed mechanic may receive from the Federal Aviation Administration (FAA) mechanic Certificate (with an airframe rating, power plant rating, or rating for both) or a Repairman Certificate.</li> <li>FAA Mechanic Certificates are issued upon successful completion of oral, written, and practical examinations.</li> <li>A mechanic with an airframe, power plant or airframe and power plant (A&amp;P) rating can work only on the specific parts of the aircraft for which he or she is rated.</li> <li>A mechanic with an FAA Repairman Certificate can work only on those parts of the aircraft that the certificate specifically allows, such as radio or instruments, propellers, etc.</li> <li>The repair person who works on transmitting equipment aboard the aircraft does not need a license from the Federal Communications Commission; however, experts encourage these individuals to take the FCC exam because they may eventually become involved in satellites and satellite communication systems the next logical step.</li> <li>The aircraft mechanic is expected to continue his or her education, even after hiring, in order to keep abreast of the continuing technical changes and improvements in aircraft and associated systems.</li> <li>The successful aircraft mechanic should have an above average mechanical ability and a desire to work with his hands. He or she should also have an interest in aviation, appreciation of the importance of doing a job carefully and thoroughly, and the desire to learn throughout a career.</li> </ul>

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Avjobs.com published the following career information for Aviation Mechanics - as of 2/18/2008

Career Title	Min. Reported	Max. Reported
A and P Mechanic	\$20.00 hr	\$25.00 hr
Aircraft Interior Fitters	\$13.00 hr	\$16.00 hr
Aircraft Interior Mechanic	\$12.00 hr	\$26.00 hr
Aircraft Maintenance Engineer - Cat S	\$14.00 hr	\$27.00 hr
Aircraft Maintenance Planner	\$31,400.00 yr	\$43,300.00 yr
Aircraft Maintenance Technicians	\$15.00 hr	\$25.00 hr
Aircraft Mechanic	\$15.00 hr	\$21.00 hr
Aircraft Mechanic - Business Jets	\$16.00 hr	\$26.00 hr
Aircraft Mechanic - Corporate Jets	\$18.00 hr	\$25.00 hr
Aircraft Mechanic General Maintenance	\$16.00 hr	\$24.00 hr
Aircraft Sheet metal Mechanic	\$15.00 hr	\$28.00 hr
Aircraft Technician	\$16.00 hr	\$22.00 hr
Aviation Technicians	\$15.00 hr	\$18.00 hr
Chief Inspector	\$35,000.00 yr	\$50,000.00 yr
Composite Technicians	\$13.00 hr	\$16.00 hr
DC-10-10 - DC-10-30F	\$18.00 hr	\$21.00 hr
Director of Maintenance	\$40,000.00 yr	\$60,000.00 yr
Entry - Level Aircraft Component Technician	\$15.00 hr	\$15.00 hr
Heavy Commercial Aircraft Mechanic	\$22.00 hr	\$24.00 hr
Hydraulic Component Assembly Technician	\$13.00 hr	\$21.00 hr
Lead Mechanic	\$24.00 hr	\$26.00 hr

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STRATEGIES	LINKS
<ul style="list-style-type: none"><li>• The scheduled airlines employ approximately 50,000 mechanics at various terminals and overhaul bases located throughout the U.S.A. and overseas. The major overhaul facilities are located in New York, Los Angeles, San Francisco, Miami, Denver, Atlanta, Kansas City, Tulsa, and Minneapolis.</li><li>• In addition, approximately 85,000 A &amp; P licensed mechanics are employed in general aviation for air taxi and fixed base operators, aerial applicators, flight training schools, supplemental airlines, corporations owning fleets of aircraft and aircraft manufacturers. Also, mechanics and technicians are employed at some 4,000 FAA certified repair stations in the U.S.A.</li><li>• Another large employer is the U.S. Government which employs approximately 100,000 civilian air-craft (Certified/Uncertified) mechanics and avionics technicians to work on military aircraft at Army, Navy, Marine Corps, and Air Force installations in the U.S. and overseas.</li><li>• FAA employs approximately 150 maintenance personnel who work at various locations in the U.S. and overseas. A majority of these persons work at the FAA's main overhaul base located in Oklahoma City, Oklahoma.</li></ul>	<p><a href="#"><u>Avjobs.com</u></a></p> <p><a href="#"><u>Training Opportunities</u></a></p> <p><a href="#"><u>Networking</u></a></p> <p><a href="#"><u>Government Jobs</u></a></p> <p><a href="#"><u>Newspaper Help Wanted Ads</u></a></p> <p><a href="#"><u>Interviewing for Information</u></a></p> <p><a href="#"><u>Researching the Job and the Employer</u></a></p> <p><a href="#"><u>Evaluating the Company</u></a></p> <p><a href="#"><u>Targeting Employers</u></a></p>