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Aviation Technicians Find Employment in a Number of Areas by [Jason](#)

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Avionics maintenance technicians (also known as aviation technicians) work in many areas of the industry including: manufacturers, military, airlines, operators, aircraft, electronic and avionics maintenance companies; aviation repair and overhaul, and other Canadian aviation operations. The jobs of these professionals entail a number of duties including: maintaining engine operations, flight patterns, navigation systems, radio communications and weather radar systems. In addition, they inspect, test and double-check electrical power distribution and control as well as flight instrumentation.

In order to enter the field, those who are interested must first attend aviation technician schools or an aviation technician program such as Centennial College's Aviation Technician "Avionics Maintenance" undertaking. The application process includes having completed an Ontario Secondary School Diploma or General Education Development or equivalent or being 19 years of age or older. They must also have completed the compulsory English 12C or U or skills assessment or equivalent and Math 11M or U or 12C or U or skills assessment or equivalent. The requirements, however, don't stop once students are accepted. In order to graduate from the aviation technicians program, they must achieve a minimum C grade in all courses to graduate. Please note that Transport Canada accreditation requires both a minimum B grade in every course and an absentee rate of less than five per cent of the total program hours.

The program is both Transport Canada (TC) approved and Canadian Aviation Maintenance Council (CAMC) certified as a recognized avionics maintenance training program, which proves its credibility. In addition, faculty is highly skilled, with years of experience and extensive technical expertise, with a deep commitment to the program, its students and their success. Assisting the faculty members in their job is Centennial College's aerospace facility, which is housed with modern equipment reflecting the current trends in the industry. As a result, students spend much of their program time working with modern tools currently being used in the industry and obtaining hands-on practice to ensure that they are ready for the field upon graduation. Through these shop activities (as well as theoretical courses) students gain both theoretical and practical knowledge that makes them employable upon graduation.

Specific courses in the aviation technician program include: Theory of Flight (students learn the principles of flight, including atmosphere, aircraft aerodynamics/control and stability and high-speed flight. The course also provides study of the principles of helicopter design, flight characteristics, stability and control); Hangar "Maintenance Procedures (students apply the theory of aircraft reciprocating engines to include the lubrication system, ignition system, carburetors, fuel injection and propeller maintenance); Aircraft Instruments (students learn the principles and concepts of Pitot Static, pressure measuring, temperature measuring, navigational and digital instruments); and more.

In addition to an Ontario College diploma, successful graduates who meet the accreditation requirements are eligible for an 18-month experience credit and technical examination credit towards the regulatory requirements for issue of a Canadian Aircraft Maintenance Engineer Licence.

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Jason writes how students who attend Centennial College's Aviation Technicians undertaking participate in specific courses such as Theory of Flight, Hangar Maintenance Procedures and Aircraft Instruments.

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