



### Why choose Collision Aviation Technology?

The Aviation Technology degree program prepares students for professional careers in aviation maintenance, allowing graduates to seek employment with airlines, fixed base operators, or aircraft manufacturers. Nashua Community College is an FAA approved training facility. (NSUT025K)

Students will learn on actual aircraft, structures, and powerplants and related systems. The 21-month curriculum includes one summer session and covers a wide variety of subjects concerned with airplanes including reciprocating engines, turbines, fuel systems, propellers, ignition, electrical systems, and hydraulic systems. Interested students should note that the program requires frequent reading, along with the ability to interpret FAA regulations and manufacturers' technical specifications.



Upon completion of the program, students will be prepared to apply for the FAA oral, written, and practical exams for the Airframe and Powerplant (A&P) Technician License.

### Program Outcomes

Students who graduate from this program will be able to:

- Use FAA and manufacturers' instructions to:
  - Perform maintenance and inspections on aircraft
  - Perform maintenance on aircraft structures
  - Perform maintenance on aircraft powerplants
  - Inspect and repair aircraft composite structures
- Communicate effectively both orally and in writing
- Demonstrate legal and moral judgment when supervising others
- Demonstrate positive work ethics, integrity, and knowledge of work skills
- Exercise a desire to continue professional development and lifelong learning
- Successfully pass the FAA Airframe and Powerplant (A&P) certificate examination
- Find employment directly related to the field of study

In addition, the graduate will be able to demonstrate competency of the general education outcomes.

### Register

Register for all of the courses recommended each semester. Take at least 14-16 credits each semester to graduate in two years. A HIGHER PERCENTAGE OF STUDENTS GRADUATE WHEN THEY COMPLETE 30+ CREDITS WITHIN THEIR FIRST YEAR! (Research by Complete College of America)

### Estimated Cost of Program\*

**An Associate degree in Aviation Technology from Nashua Community College tuition and fees only:**

- In-State: \$22,902
- NE Regional: \$32,142
- Out-of-State: \$46,486

\*Additional costs and fees apply including:

- Tools
- Graduation
- Orientation


### Utilize Career Coach

The "Career Coach" resource can show you how to narrow down your interests to real career fields and specific job titles to help you focus on what courses to register for at NCC. The Career Coach will also reveal local salary estimates for your future career.

Access Career Coach on our homepage: [nashuacc.edu](http://nashuacc.edu)

## YOUR PATHWAY TO AN ASSOCIATE DEGREE

This **ACADEMIC MAP** keeps you on track to graduate in two years by taking the correct amount of credits each semester.

M: Milestone Course		2-Year Program Plan For Full-Time Students		
<b>M</b>	<b>SEMESTER 1</b>			<b>ACHIEVEMENTS and NEXT STEPS</b>
	ENGL101N	College Composition	4	<b>DO THIS -</b> <ul style="list-style-type: none"> <li>Meet with advisor to discuss academic goals and plan coursework</li> <li>Take English and Math first semester</li> </ul>
	AVTN101N	Maintenance Forms & Records	3	
	AVTN102N	Airframe Structures I	4	
	AVTN108N	Aviation Drafting & Blueprint Reading	3	
	General Education Core: Quantitative Literacy		4	
<b>18 CREDIT HOURS</b>				
<b>M</b>	<b>SEMESTER 2</b>			<b>ACHIEVEMENTS and NEXT STEPS</b>
	AVTN103N	Airframe Structures II	5	<b>DO THIS -</b> <ul style="list-style-type: none"> <li>Meet with advisor to discuss academic goals and plan coursework</li> <li>Take advantage of tutoring services</li> <li>Consider summer courses to catch up or get ahead</li> </ul>
	AVTN104N	Materials & Processes	3	
	AVTN106N	Aviation Electronics	3	
	PSYC130N	Human relations	3	
	General Education Core: English/Communications		3	
<b>17 CREDIT HOURS</b>				
<b>M</b>	<b>SEMESTER 3</b>			<b>ACHIEVEMENTS and NEXT STEPS</b>
	AVTN105N	Aircraft Systems	4	<b>DO THIS -</b> <ul style="list-style-type: none"> <li>Meet with advisor to confirm plan</li> <li>Maintain an overall GPA of 2.0 to graduate</li> <li>Check your student email daily</li> </ul>
	AVTN202N	Airframe Electrical Systems	3	
	AVTN203N	Hydraulics & Pneumatics	5	
<b>12 CREDIT HOURS</b>				
<b>M</b>	<b>SEMESTER 4</b>			<b>ACHIEVEMENTS and NEXT STEPS</b>
	AVTN107N	Digital Logic	3	<b>DO THIS -</b> <ul style="list-style-type: none"> <li>Meet with advisor to confirm plan</li> <li>Maintain an overall GPA of 2.0 to graduate</li> <li>Check your student email daily</li> </ul>
	AVTN204N	Assembly & Rigging	4	
	AVTN206N	Reciprocating Engines I*	5	
	AVTN208N	Engine Systems*	3	
	AVTN209N	Aircraft Propellers*	3	
	PHYS101N	Physical Science I	4	
<b>22 CREDIT HOURS</b>				
<b>M</b>	<b>SEMESTER 5</b>			<b>ACHIEVEMENTS and NEXT STEPS</b>
	AVTN207N	Reciprocating Engines II*`	5	<b>DO THIS -</b> Apply for Graduation
	AVTN210N	Turbine Engines & Systems*	4	<b>COMPLETION</b> of Associate in Arts
	AVTN211N	Carburetion & Fuel Systems*	3	
	AVTN212N	Engine Electrical Systems*	4	
	General Education Core: Humanities/Fine Arts -OR- Global Awareness		3	
<b>19 CREDIT HOURS</b>				
<b>MINIMUM TOTAL DEGREE CREDIT HOURS: 88</b>				



\*A student must have completed all FAA General Section courses or possess an FAA Airframe Certificate to be eligible to take these courses.