



CAREER PROFILES

Air Pilots, Flight Engineers, and Flying Instructors:

Air Pilots fly fixed wing aircraft and helicopters to provide air transportation and other services such as crop spraying and aerial surveying. **Flight Engineers** assist air pilots with monitoring, troubleshooting, and maintenance of aircraft systems and with pre- and post-flight inspections. **Flying Instructors** teach flying techniques and procedures to student and licensed pilots.

Wage/Salary Information:

\$84,000 is the median annual salary found in local job-postings.

\$37.82/hour is the median wage reported locally.

Commonly Listed Skills in Job Postings:

- Teamwork
- Customer service oriented
- Detail oriented
- Manual dexterity
- Analytical
- Self-motivated
- Leadership
- Problem solving
- Oral and written communication
- Decision making
- Time management
- Management

Job Duties:

Air Pilots conduct pre-flight inspection of aircraft and check passenger and cargo distribution to ensure that weight and balance specifications are met and co-ordinate flight activities with ground crews and air-traffic control, inform crew members of flight and test procedures and direct activities of aircraft crew during flights. Air Pilots conduct in-flight tests and monitor functioning of aircraft equipment and systems during flights, maintain communications with flight dispatchers and weather forecasters, and respond to and report in-flight emergencies and malfunctions. They prepare flight evaluation reports and train pilots to use new equipment, or prepare them for examinations to re-validate or upgrade existing licences. Air Pilots may also fly new or experimental planes to examine their performance and safety and may participate in search and rescue operations, forest firefighting, aerial surveying, crop dusting, and other services.

Flight Engineers inspect aircraft prior to takeoff according to pre-flight checklist and verify passenger and cargo distribution to ensure that weight and balance specifications are met. Flight Engineers assist air pilots in monitoring aircraft systems, equipment, and functions during flight. They make in-flight repairs, such as replacing fuses and adjusting instruments, and follow emergency procedures to compensate for equipment malfunction or failure. Flight Engineers also perform post-flight inspections, record equipment malfunctions and corrective actions taken during flight, and report required repairs to ground maintenance personnel.

Flying Instructors instruct student pilots in procedures and techniques of flying aircraft and in ground-school subjects such as navigation, radio procedures, and flying regulations. Flying Instructors also train licenced pilots for additional certification.

Working Conditions:

Work in this occupation is typically performed in a structured environment, such as an office or school, or inside an airplane or helicopter. Also, work circumstances may be treacherous, a potential source of injuries, and produce sufficient noise to cause marked distraction or possible loss of hearing.

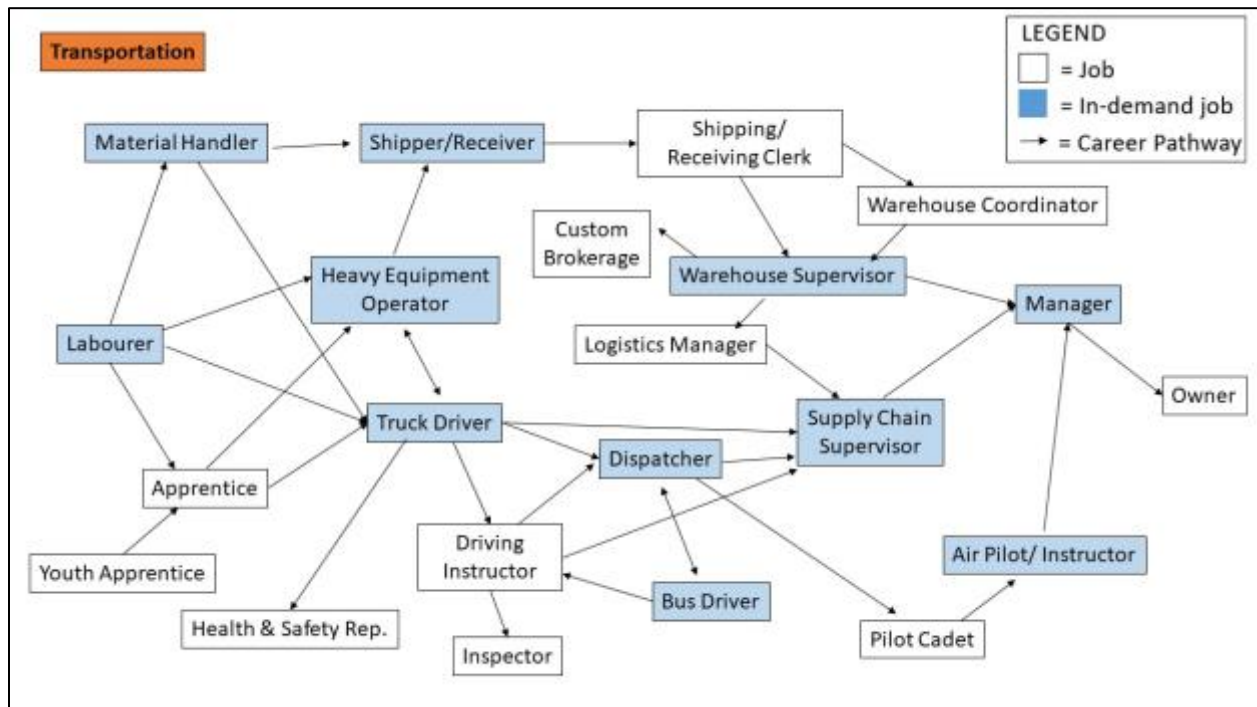
Career Pathways:

Air Pilots, Flight Engineers, and Flying instructors are typically employed by airlines and air freight companies, flying schools, and by other public and private sector aircraft operators. There are many different levels of licensing a pilot can achieve, which typically depend on the number of hours spent flying certain types of aircrafts.

Below are potential career paths for Air Pilots, Flight Engineers, and Flying Instructors:

- Air Pilot
- Captain – Air Transport
- Check Pilot
- Chief Flying Instructor
- Chief Pilot

- Co-Pilot
- Flight Engineer
- Flying Instructor
- Helicopter Pilot
- Pilot Instructor
- Relief Pilot
- Second Officer – Air Transport
- Test Pilot



Education and Training Pathways:

If you're interested in becoming an Air Pilot, Flight Engineer, or Flying Instructor, you can acquire training/education locally at any of the following institutions.

University of Windsor:

Aeronautics Leadership Program:

Admission Requirements:

- Minimum Admissions Average: 70%
- Mean Admissions Average: 80%
- Admission Requirements: ENG4U, any Grade 12 Math, and SPH3U required.

Academic Credential: Bachelor of Arts (Honours) in Liberal and Professional Studies

Professional Certification:

- While students complete course work toward their BA (Honours), they are simultaneously working towards their Commercial Pilot's License
- Year 1: Private Pilot's License
- Year 2: Commercial Pilot's License
- Year 3: Commercial Pilot's License (cont.), Multi Engine Rating, and Category 1 Instrument Rating
- Year 4: Option of working towards Class 4 Instructor Rating or time towards the Airline Transport Pilot License

Attendance: In-person

Full-time or Part-time: Full-time

Program Length: 4 years

Program Cycle: Intake for Fall, Winter, Summer

Program Cost: *\$7871.16 (tuition & fees) + \$12000 (flight training program cost)

OSAP Eligible: Yes

Location: 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

<http://www1.uwindsor.ca/aeronautics/>

Windsor Flying Club:

Recreational Pilot Permit

Admission/Eligibility Requirements: Applicants must be 14 years of age prior to first solo and 16 years old age to be issued a RPP

Academic Credential: Unknown

Professional Certification: Recreational Pilot Permit (Can fly single engine and ultralight aircraft during the day with no more than one passenger within Canadian Airspace)

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$6,117.50

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorflyingclub.com/flight-training/>

Private Pilot License

Admission/Eligibility Requirements: Applicants must be 14 years of age prior to first solo and 17 years old age to be issued a RPP

Academic Credential: Unknown

Professional Certification: Private Pilot License (Can fly any airplane for which they hold the appropriate rating)

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$9,894.05

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorflyingclub.com/flight-training/>

Commercial Pilot License

Admission/Eligibility Requirements: An applicant must hold a PPL and have reached his or her 18th birthday prior to the issue of the CPL

Academic Credential: Unknown

Professional Certification: Holder of a Commercial Pilot License may be employed as a pilot in a Commercial Air Service (A Commercial Pilot holder may also hold a Flight Instructor Rating)

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$12,768.75

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorFlyingclub.com/flight-training/>

Night Rating

Admission/Eligibility Requirements: An applicant for a night rating must hold a valid PPL or higher

Academic Credential: Unknown

Professional Certification: The holder of a night rating can exercise the privileges of their license at night

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$2,841.00

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorFlyingclub.com/flight-training/>

VFR Over-the-Top-Rating

Admission/Eligibility Requirements: An applicant for VFR OTT Rating should hold a valid PPL or higher

Academic Credential: Unknown

Professional Certification: The holder of a VFR OTT rating may operate an airplane above a cloud layer without reference to the ground given suitable weather conditions at their destination

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$2,269.45

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorFlyingclub.com/flight-training/>

Instrument Rating

Admission/Eligibility Requirements: An applicant for an instrument rating shall hold a valid PPL or higher and have logged a minimum of 50 hours of cross country flight experience as Pilot in Command

Academic Credential: Unknown

Professional Certification: Unknown

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$7,841.75

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorFlyingclub.com/flight-training/>

Class IV Instructor

Admission/Eligibility Requirements: An applicant shall hold a valid commercial or higher pilot license

Academic Credential: Unknown

Professional Certification: The holder of a Class IV Flight Instructor Rating may provide flight instruction to students under the direct supervision of a Class I or II Flight Instructor

Attendance: In-Person

Full-time or Part-time: Unknown

Program Length: Unknown

Program Cycle: Unknown

Program Cost: \$8,076.25

OSAP Eligible: Unknown

Location: Unit 105, 2600 Airport Road, Windsor, N8V 1A1

For more information on this program, please visit:

<http://www.windsorFlyingclub.com/flight-training/>

***Disclaimer:** The educational institution reserves the right to change information without notice, and may result in discrepancies between their information and the information presented above. If any errors are found, please report them to info@workforcewindsorsex.com.*