

SO...

YOU WANT TO BE A
PILOT

CHOICE: MILITARY OR CIVILIAN



- Civilian
 - On your own for costs or scholarship
 - Attend University or Local Flight School
 - Build hours as flight instructor



- Military
 - 10 year active duty commitment
 - Choices: ROTC or Military Academy

A PILOT SHORTAGE IS NOW

- Airlines face worldwide pilot shortage
- Flight Schools losing their Flight Instructors
- Military Pilot Shortage
 - USAF Academy can only train 1,200/year
 - USAF looking at NCOs to fill pilot slots
- Emirates Air parked some of their fleets due to lack of pilots
- Airlines offering signing and retention bonuses

PILOT LICENSES & RATINGS

- Student Pilot – Training only
- Sport Pilot – Limited personal flying (day only, smaller aircraft)
- Private Pilot – Personal flying
- Commercial – Fly for hire
- Instrument Rating – Fly in the clouds
- Flight Instructor (CFI) – Train other pilots
- Multi-Engine Rating – More than one engine
- Turbine/Type Rating – Higher performance aircraft
- Airline Transportation Pilot (ATP) – Airline requirement
- Remote Pilot – Fly drones

STUDENT PILOT LICENSE

- Allows you to fly solo
- Minimum 16 years old (14 for gliders)
- ✓ Pass FAA Medical Exam (check limitations!)
- May credit flight instruction before 16
- Flights approved by your flight instructor
- Fly only You OR You and the Flight Instructor
- Path to your Private Pilot License (at 17 years old)

PRIVATE PILOT LICENSE



- Be 17 years old (16 for gliders)
- Minimum 40 hours, generally closer to 50-60 hours
 - 20 hours dual (3 x-c, 3 night, 3 instruments)
 - 10 hours solo (5 x-c, 3 take-offs and landings at a control tower)
- Allows you to fly passengers
- ✓ Pass Written Exam (70%)
- ✓ Pass Practical Flight Test with Examiner

MAJOR PILOT ORGANIZATIONS & EVENTS

- AOPA – Aircraft Owner and Pilot Association
 - www.aopa.org
- EAA – Experimental Aircraft Association
 - www.eaa.org
- EAA AirVenture – Oshkosh, WI
 - www.airventure.org
- Event Calendars - Local airport fly-ins/car shows
 - www.socialflight.com

YOUNG EAGLES

WWW.YOUNGEAGLES.ORG



- Free flights held at Young Eagles Rallies
- Open to 8-17 years old
- Flown over 2 million kids
- Logbook with code for free on-line Ground School
- Membership in American Model Association
- Free student EAA membership until 18
- Voucher for first flight lesson
- FAA written exam fee (\$140) reimbursed if passed
- EAA Flight Scholarships available

AV8RS

WWW.AOPA.ORG/AV8RS/



- Free Youth Membership (13-19 yrs. old)
- Full access to AOPA website
 - AOPA Pilot Magazine
 - Flight training & planning resources
- Flight Training Magazine – digital version
- Weekly ePilot newsletter
- Weekly General Aviation news video
- Flight Scholarships



CIVIL AIR PATROL CADET PROGRAM

WWW.GOCIVILAIRPATROL.COM



Civil Air Patrol
U.S. Air Force Auxiliary

- Leadership and Aviation oriented organization for 12-18
- Opportunities abound:
 - Orientation flights in CAP aircraft
 - Aerospace Education STEM program
 - Aviation and leadership activities
 - Flight Academies and scholarships
 - Yearly encampments at military bases
 - Aviation and military career exploration
 - Numerous aviation and military special activities during the summer



STUDY & TRAINING MATERIALS

- FAA (www.faa.gov) – Everything you need is on-line
 - Pilots Handbook of Aeronautical Knowledge (PHAK)
 - Airplane Flying Handbook (AFH)
 - Airmen Information Manual (AIM)
 - Federal Aviation Regulations (FARs)
- FAA Safety (www.faasafety.gov)
 - Seminars and training (e.g., Pilot speakers @Aviation Safety Days)
- King Schools free course (www.kingschools.com)
- AOPA ASI (www.aopa.org/training-and-safety/air-safety-institute)
 - Local Seminars – 2x year
 - On-line Training Courses

STAY INFORMED

- AvWeb (www.avweb.com)
- General Aviation News (www.generalaviationnews.com)
- Aviation Week (www.aviationweek.com)
- AOPA Weekly Video and Newsletters (www.aopa.org)
- EAA Weekly Newsletters (www.eaa.org)
- Social Flight (www.socialflight.com)
- Many other sources

AVIATION CAREERS – MORE THAN JUST PILOTS

- Pilots (Military, Corporate, Schedule Airlines)
- Aviation Maintenance Technician
- Avionics Technicians
- Airlines (Dispatcher, Freight, Meteorologist, Station Manager)
- Air Traffic Controller
- Aerospace Engineers & Technicians
- NTSB Accident Investigation
- Drone Pilots (Remote Pilot License)

LOCAL AIRPORTS – MAKE CONTACT

- Cleveland Burke Lakefront (KBKL)
- Cuyahoga Co. Airport – Richmond Hts. (KCGF)
- Weltzien SkyPark – Wadsworth (15G)
 - www.flyskypark.com
- Medina Co. Airport (1G5)
- Lorain Co. Airport (KLPR)
- Geauga Co. Airport – EAA Chapter #5 (7G8)
 - chapters.eaa.org/ea5
- Others

AVIATION MUSEUMS – ENLIGHTEN

- MAPS – Akron-Canton Regional Airport
 - mapsairmuseum.org
- Liberty Aviation Museum – Port Clinton
 - www.libertyaviationmuseum.org
- IWASM – Cleveland Burke Lakefront
 - www.iwasm.org
- Pheasant Run – Lake County, Ohio
 - <https://www.facebook.com/PRAirportandMuseum/>
- Wright-Patterson USAF Museum – Dayton
 - www.nationalmuseum.af.mil
- AirZoo – Kalamazoo, MI
 - www.airzoo.org
- Udvar-Hazy – Washington, DC
 - airandspace.si.edu/udvar-hazy-center

TIME & MONEY

- Starting studying early
- Look over multiple flight training approaches
- Seek out Flight Scholarships and Grants
- When learning – Fly Often – at least once per week
- ****Set aside the funds so that your training is not interrupted**
- Getting a Private Pilot License on your own
 - Cost: About \$7,000-12,000
 - Time: About 6 months

AIRLINE MENTORING

Many airlines have mentoring and assistance programs for new and aspiring pilots



- <https://unitedaviate.com/>
- https://propel.delta.com/content/propel/en_US/home.html
- <https://atpflightschool.com/airline-career-pilot-program/>
- <https://www.skywest.com/skywest-airline-jobs/career-guides/pilot-pathway-program/>

TIPS TO MAKE IT HAPPEN

- Visit airports
- Talk to Pilots and Flight Instructors
- Network with others
- Visit Universities with flight programs – KSU, OSU
- Start studying
- Decide on your career path
- Take advantage of free resources
- Stay connected

AVIATION SITES TO EXPLORE

www.aopa.org
www.aopa.org/AV8RS/
www.eaa.org
www.eaa.org/youngeagles
chapters.eaa.org/eaas5
www.airventure.org
www.gocivilairpatrol.com
www.faa.gov
www.faasafety.gov
www.kingschools.com
www.avweb.com
www.generalaviationnews.com
www.aviationweek.com
www.socialflight.com
mapsairmuseum.org
www.aopa.org/training-and-safety/air-safety-institute
www.flyingmag.com/careers
www.faa.gov/jobs/career_fields/aviation_careers/
www.faa.gov/education/grants_and_scholarships/aviation/
calaero.edu/dreamstakeflight/
www.aopa.org/training-and-safety/learn-to-fly/aviation-scholarships
www.gocivilairpatrol.com/programs/cadets/cadetinvest

www.libertyaviationmuseum.org
www.iwasm.org
www.pheasantrunairport.org
www.nationalmuseum.af.mil
www.airzoo.org
airandspace.si.edu/udvar-hazy-center
www.flyskypark.com
www.aviation.com
www.exploring.org/aviation/
erau.edu
www.kent.edu/cae
www.airnav.com
www.rovingbits.com/aero.html
flightaware.com
skyvector.com