

SO...

YOU WANT TO BE A  
PILOT

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# CHOICE: MILITARY OR CIVILIAN

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- 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

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- 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 parking some of their fleets due to lack of pilots
- Airlines offering signing and retention bonuses

# PILOT LICENSES & RATINGS

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- Student Pilot – Training only
- 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

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- Allows you to fly solo
- Minimum 16 years old (14 for gliders)
- Pass FAA Medical Exam
- 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

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- 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 with control tower)
- Allows you to fly passengers
- Pass Written Exam (70%)
- Pass Practical Flight Test with Examiner



# MAJOR PILOT ORGANIZATIONS & EVENTS

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

# YOUNG EAGLES

[WWW.YOUNGEAGLES.ORG](http://WWW.YOUNGEAGLES.ORG)

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- 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
- 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/](http://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



# CIVIL AIR PATROL CADET PROGRAM

[WWW.GOCIVILAIRPATROL.COM](http://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

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- FAA ([www.faa.gov](http://www.faa.gov))
  - Pilots Handbook of Aeronautical Knowledge (PHAK)
  - Airplane Flying Handbook (AFH)
  - Airmen Information Manual (AIM)
  - Federal Aviation Regulations (FARs)
- FAA Safety ([www.faasafety.gov](http://www.faasafety.gov))
  - Seminars and training (e.g., Kent State Aviation Safety Day – April)
- King Schools free course ([www.kingschools.com](http://www.kingschools.com))
- AOPA ASI ([www.aopa.org/training-and-safety/air-safety-institute](http://www.aopa.org/training-and-safety/air-safety-institute))
  - Local Seminars – 2x year
  - On-line Training Courses



# STAY INFORMED

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

# AVIATION CAREERS – MORE THAN JUST PILOTS

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- 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

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



# AVIATION MUSEUMS – ENLIGHTEN

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

# TIME & MONEY

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- 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

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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://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

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- 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

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[www.aopa.org](http://www.aopa.org)

[www.aopa.org/AV8RS/](http://www.aopa.org/AV8RS/)

[www.eaa.org](http://www.eaa.org)

[www.eaa.org/youngeagles](http://www.eaa.org/youngeagles)

[www.airventure.org](http://www.airventure.org)

[www.gocivilairpatrol.com](http://www.gocivilairpatrol.com)

[www.faa.gov](http://www.faa.gov)

[www.faasafety.gov](http://www.faasafety.gov)

[www.kingschools.com](http://www.kingschools.com)

[www.avweb.com](http://www.avweb.com)

[www.generalaviationnews.com](http://www.generalaviationnews.com)

[www.aviationweek.com](http://www.aviationweek.com)

[www.socialflight.com](http://www.socialflight.com)

[mapsairmuseum.org](http://mapsairmuseum.org)

[www.libertyaviationmuseum.org](http://www.libertyaviationmuseum.org)

[www.iwasm.org](http://www.iwasm.org)

[www.pheasantrunairport.org](http://www.pheasantrunairport.org)

[www.nationalmuseum.af.mil](http://www.nationalmuseum.af.mil)

[www.airzoo.org](http://www.airzoo.org)

[airandspace.si.edu/udvar-hazy-center](http://airandspace.si.edu/udvar-hazy-center)

[www.flyskypark.com](http://www.flyskypark.com)

[chapters.eaa.org/ea5](http://chapters.eaa.org/ea5)

[www.aopa.org/training-and-safety/air-safety-institute](http://www.aopa.org/training-and-safety/air-safety-institute)

[www.aviation.com](http://www.aviation.com)

[www.exploring.org/aviation/](http://www.exploring.org/aviation/)

[erau.edu](http://erau.edu)

[www.kent.edu/cae](http://www.kent.edu/cae)

[www.flyingmag.com/careers](http://www.flyingmag.com/careers)

[www.faa.gov/jobs/career\\_fields/aviation\\_careers/](http://www.faa.gov/jobs/career_fields/aviation_careers/)

[https://www.faa.gov/education/grants\\_and\\_scholarships/aviation/](https://www.faa.gov/education/grants_and_scholarships/aviation/)

<https://calaero.edu/dreamstakeflight/>

<https://www.aopa.org/training-and-safety/learn-to-fly/aviation-scholarships>

<https://www.gocivilairpatrol.com/programs/cadets/cadetinvest/other-scholarship-opportunities>