

Welcome



EAA Chapter 1702
Moline, IL

 Flying Start
2025 Edition

Housekeeping

Sign In - Please make sure you've signed in so we can share today's presentation with you and ensure youth receive a Young Eagle Flight.

Restrooms - Downstairs, left of the TV in the break room. Must be badged to exit hangar.

Refreshments - Feel free to grab some at any time during the presentation.

Mission of Flying Start



Our goal is to walk you through the process of learning how to fly, answer your questions, inspire you, and welcome you into the aviation community!

Program Outline

WELCOME! We're excited you've joined us!

- **Introduction to EAA and our local chapter**
- **Why do we fly?**
 - Hear from some of our members
- **What does it take to become a pilot?**
 - Flight training process
- **How to start flight training?**
 - Aircraft
 - Instructors
- **Try it out**
 - Take a Young Eagle Flight!



An aerial photograph of several experimental aircraft parked on a grassy field. The aircraft are of various colors, including yellow, white, blue, and red. One yellow aircraft in the center has the registration 'NC 16667' on its wing. Another white aircraft to its right has 'NC 15679' on its wing. A blue aircraft further right has 'NC 1572' on its tail. In the background, a silver car is partially visible.

EAA (Experimental Aircraft Association): We are...

A **community** of passionate aviation enthusiasts who promote and support recreational flying

 Flying Start

We serve the aviation community by...

Enriching the experience

- Local chapters – 900 strong!
- Events & activities
- Monthly museum speakers
- Knowledge and information resources
- EAA webinars
- EAA *Sport Aviation* magazine
- EAA AirVenture Oshkosh

Inspiring new participants

- Young Eagles
- Eagle Flights

Our Mission

To **grow** participation
in aviation

EAA Chapter 1702

Moline, IL

- One of EAA's Newest Chapters!
- ***Established March 15, 2024***
- 69 members
- Inspire – Learn – Cooperate
- VMC Club Monthly (3rd Tuesday, 6pm at QC Aero)
- Young Eagles Flights Monthly; Over 100 Flown in 2024
- Young Eagles Workshops (Quarterly in 2025)
- EAA Learn to Fly Week / Flying Start (May 17th)
- Young Eagles Flying Start (Today!)
- Applied for 2025 Ray Scholarship

More at www.EAA1702.org "Event Calendar"



What's on Tap for EAA Chapter 1702

- **Monthly Gathering – First Saturdays at 11:30am at QC Aero**
 - **March 1st – FAA Medical Discussion**
 - **April 5th – Part 107 Commercial UAS Pilot**
 - **May 3rd – A&P Career Path**
- **Monthly VMC Club – Third Tuesdays at 6pm at QC Aero. ALL ARE WELCOME!**
- **International Young Eagles Day – Saturday, June 14th, at 8:30am.**
- **Complimentary Chapter Membership through the end of 2025**

Why Learn to Fly?

Why I Fly...

- Once-in-a-lifetime experiences
- Viewing the world from a completely new point of view
- Personal travel
- Give back (Young Eagles)

"And once you have tasted flight you will walk the earth with your eyes turned skyward, for there you have been, and there you would return."

~John Hermes Secondari

Flight Opportunities

What interests you?

There are tons of great ways to fly!

What interests you?

Factory-Built Aircraft



There are tons of great ways to fly!

What interests you?

Vintage Aircraft



There are tons of great ways to fly!

What interests you?

Homebuilt



There are tons of great ways to fly!

What interests you?

Aerobatics



There are tons of great ways to fly!

What interests you?

Ultralights



There are tons of great ways to fly!

What interests you?

Soaring



There are tons of great ways to fly!

What interests you?

Seaplanes



There are tons of great ways to fly!

What interests you?

Rotorcraft



There are tons of great ways to fly!

What interests you?

Light-Sport



MOSAIC Proposed Light Sport Aircraft

- “Clean” stall speed (V_{s1}) of 54 knots CAS – **Proposing 58 knots or higher**
- Maximum level flight speed (V_h) of 250 knots calibrated
- Expanding to four seats
- Removal of limitations on retractable landing gear, in-flight adjustable propellers, and powerplant type
- Removal of aircraft type specification – allows helicopters, gyroplanes, powered-lift, etc.

Let's talk requirements...

Private Pilot Requirements

- Must have an FAA medical or BasicMed
- Be at least 17 years of age (Solo at 16)
- Read, speak, and write the English language
- Pass FAA knowledge exam
- Pass FAA practical exam
- Log at least 40 hours of flight time before the practical exam

Sport Pilot Requirements

- Valid driver's license (medical eligibility)
- Be at least 17 years of age (Solo at 16)
- Read, speak, and write the English language
- Pass FAA knowledge exam
- Pass FAA practical exam
- Log at least 20 hours of flight time before the practical exam



Ultralight Pilot Requirements

- No certificate required
- No medical required
- Get proper training!
- Powered Parachute – 12 hours
- Glider – 10 hours
- Balloon – 7 hours

Let's talk privileges...

	Private *	Sport	Ultralight
Passengers	Yes	Yes – But only 1	No
Fly at Night	Yes	No	No
Airspace Restrictions	No – with additional ratings	Yes - endorsements required	Yes – prior authorization required
Earn Additional Ratings	Yes	Depends...	No
Altitude Restrictions	No – with additional ratings	Yes – 10,000 MSL or 2,000 AGL	Yes
Fly for Charity	Yes	No	No
Aircraft Restrictions	Can earn additional ratings/endorsements	Yes – must meet LSA definition (1320lb max, VNE 120kts, etc.)	Yes – Part 103 (55kts, 254lb empty, etc.)

Additional ratings can be added to earn additional privileges, such as IFR flying

<https://www.eaa.org/eaal/learn-to-fly/comparing-pilot-types>

MOSAIC Proposed Sport Pilot Privileges

- May fly any aircraft meeting the new LSA definition, even if the aircraft is certified in another category (e.g. Standard, E-AB, etc.)
- Remain limited to one passenger (2 occupants total) – **Proposing 3 Passenger**
- With proper endorsements, allow retractable landing gear and constant-speed propellers
- Night with a 3rd medical certificate or BasicMed – **Proposing Alternative**
- With appropriate ratings, helicopters and powered-lift aircraft that are built under LSA with "simplified flight controls" – **Proposing Alternative**

Flight Training: The Basics

Types of lessons

- Ground – Classroom
- Flight Lessons – Behind the wheel

Exams

- Written Exam (online ground school prep)
- Practical Test (aka checkride)
 - Flight Exam
 - Oral Exam

Need a Medical Certificate?

Fact:

- 98% of pilots can work through any special circumstances to get a medical.
 - Private – 3rd Class Medical (Basic Med after that)
 - Sport Pilot – Driver's license
 - Glider/Balloon – None Required

EAA Can Help:

- When in doubt – reach out!
- Call EAA at **888.322.4636** about any chronic medical conditions or medications

Ready to schedule?

[FAA.gov/Pilots/AMElocator](https://www.faa.gov/Pilots/AMElocator)

Require to complete your first solo...

Flight Training: The Basic Journey

Basic Skills and Solo

Cross Country and Navigation

Checkride Preparation

Basic Skills and Solo

- Turns
- Climbs and descents
- Stalls
- Takeoffs and landings
- Ground reference maneuvers
- Communications
- **FIRST SOLO!**

Cross Country and Navigation

- Navigation
- Weather
- Flight Planning
- Dual Cross Countries
- Complete the FAA Knowledge
- Exam (FAA written)
- **SOLO CROSS COUNTRY!**

Checkride Preparation

- Refine and polish skills
- Practice checkride
- **PILOT CERTIFICATE!**

How to Train



Selecting a Landing Spot

Rent from a Flight School

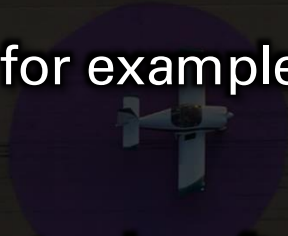
- Pay by the hour
- No upfront costs
- Limited aircraft access (overnight for example)

Join a Flying Club

- Equity and non-equity clubs | Intro to aircraft ownership
- Upfront cost may be higher, but hourly cost lower
- Supportive community of fellow members

Buy your own aircraft

- Least common route
- Requires more in-depth knowledge of aviation
- High upfront and on-going costs
- Insurance considerations for CFIs



Selecting your Flight Instructor

Through a formal flight school

- Consider interviewing your options
- CFIs likely have a career track to consider
- Large Part 141 school will assign your instructor

Independent CFIs

- May instruct as a retirement job/side gig
- Do it for the love of aviation
- Likely option for aircraft owners

Flying Club CFIs

- Each club handles this process differently

Most Importantly – Remember that YOU are the customer, and it is YOUR money!

Questions for a CFI

- *What is your long-term goal?*
- *How long do you anticipate being around?*
- *What is your scheduling protocol?*
- *What does your lesson plan look like?*
- *What is your preferred method of communication?*
- *How many students do you have?*
- *How many students have you completed with?*

What supplies do I need?

Required Supplies

- Headset
- Logbook
- E6-B flight computer
- Aviation sectional and plotter
- Study materials
- FAR/AIM
- Airplane Flying Handbook
- Pilot's Handbook of Aeronautical Knowledge
- Airman Knowledge Testing Supplement Private Pilot

Optional

- iPad or another tablet
 - Foreflight (iOS only)
 - Garmin Pilot
- Flight bag/headset bag
- Online study course

The Dirty Details of Learning to Fly...



How much is it going to cost?

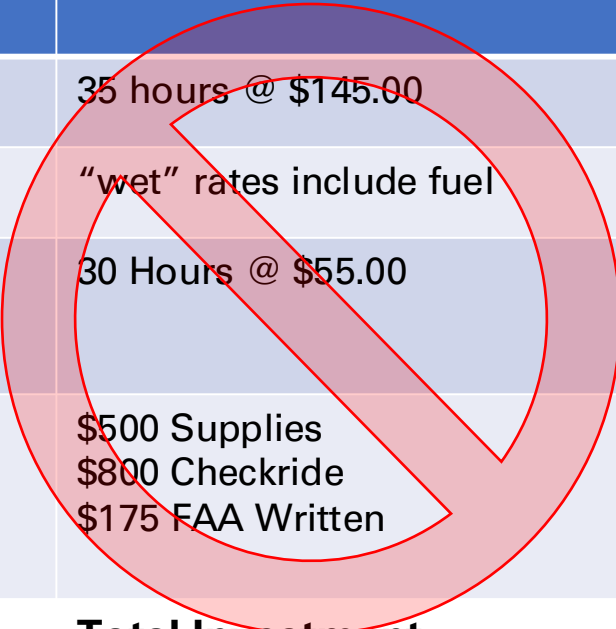
Private Pilot

Item	Rate	Total Cost
Aircraft	60 hours @ \$145.00 - \$160.00	\$8,700 - \$9,600
Fuel	"wet" rates include fuel	
Flight Instruction	45 Hours @ \$55.00 - \$60.00	\$2,475 - \$2,700
Misc. Supplies	\$500	\$500
Checkride / Exam	DPE Checkride: \$800 - \$1000 FAA Written: \$175	\$975 - \$1175
Total Investment		\$12,650 - \$13,975

National Average for Private Pilot is 60-70 hours

Sport Pilot

Item	Rate	Total Cost
Aircraft	35 hours @ \$145.00	\$5,075
Fuel	"wet" rates include fuel	
Flight Instruction	30 Hours @ \$55.00	\$1,650
Misc. Supplies / Exam / Checkrides	\$500 Supplies \$800 Checkride \$175 FAA Written	\$1,475
Total Investment		\$8,200



Currently no light sport aircraft in QCA
...but that may change this year.

Tips for saving money

- Study at home and come prepared;
 - Learning at home is cheaper than learning in the airplane (*over \$3 per min*)
- Armchair fly and review cockpit layout from home (**Sporty's Free Cockpit Poster**)
- Home computer flight simulators (X-Plane vs. Microsoft Flight Sim)
- iPad Garmin Avionics Trainer (GTN Trainer app)
- Free online videos (Sporty's, Boldmethod, MzeroA, Angle of Attack, Aviation101, etc.)
- Fly often – Keep the rust off
- Have a flight training “fund” to draw from
- Inquire about “block rates” with the flight school
 - Purchase a block of time at a discounted rate.
 - E.g., Normal Rate: \$150/hr. | Block Rate (Min. 10 hours): \$130/hr.

Cost Comparisons

Item	Lifespan	Total Cost
Flight Training	Good for life!	\$12,000 - \$14,000
2013 Pontoon Boat	10 to 15 years	\$20,000
2020 Honda ATV	10 to 20 years	\$8,000
2018 Sea-Doo Wave runner	5 to 15 years	\$11,000
NFL Season Tickets (2)	One Football Season	\$3,000
Family of 4 Trip to Disney World	One Week (Memories for a lifetime...)	\$4,500 - \$10,000

Scholarship Opportunities

- EAA Ray Foundation Scholarship –
 - Administered by EAA Chapters
 - Chapter 1702 awaiting word from EAA HQs
- **Other EAA national scholarships:**
<https://www.eaa.org/eaal/learn-to-fly/scholarships/eaal-flight-training-scholarships>
- AOPA (Aircraft Owners and Pilots Association):
<https://www.aopa.org/training-and-safety/learn-to-fly/aviation-scholarships>

The screenshot shows the EAA website's navigation menu with 'Youth & Young Adult' highlighted. A yellow arrow points from this menu item to the 'Flight Training Scholarships' page. The page features a banner with the text 'Isn't it' and 'EAA has developed pathways to flight training that are more accessible.' Below the banner, there is a section for 'Flight Training Scholarships' with an 'Apply Now' button and a deadline of 'March 1, 2024 at 12:00 pm Eastern Standard Time EST'. The page also includes a list of 'Available Scholarships' with expandable details for each.

Available Scholarships

Air Academy Alumni Scholarship	+
John S. Bradbury Memorial Scholarship	+
Friends of Pete Bunce Flight Training Scholarship	+
Adapt to Fly Scholarship	+
Cliff Chetwin Fund	+

EAA Ray Scholarship Process

- 1-2 page essay explaining your interest in aviation, career goals, why you believe you're the best candidate for receiving the scholarship
- Interview with Scholarship Committee Panel
- Chapter Volunteering – Ray Scholars are required to volunteer 2 hours per month supporting EAA Chapter
- Community Volunteering – Scholarship Committee is looking for strong youth
- **YOUNG EAGLE FLIGHT PLAN!**



Young Eagles Flight Plan

- ☒ Step 1 – Become a Young Eagle
- ☐ Step 2 – EAA Student Membership
- ☐ Step 3 – EAA AeroEducate
- ☐ Step 4 – Sporty's Learn to Fly Course (\$299 value)
<https://ye.courses.sportys.com/>
- ☐ Step 5 – First Flight Lesson (\$160 value)
 - Written Exam Reimbursement (\$175 Value)



How long is it going to take?

- Short answer is that it depends
- Factors to consider
 - Lesson frequency
 - Weather and aircraft maintenance
 - Everyone learns at a different pace

In the end it could take 3-18 months

There will be highs and lows!

This will be one of the most rewarding processes of your life!

- You will experience things very few have!
- You will learn an entire skill set and knowledge base
- You will join the less than 1% of the U.S. population that flies
- Your learning will NEVER end!
- A good pilot is always learning
- Not a matter of if, but a matter of when you'll face a struggle
- Lean on your aviation community
- It makes the journey all the sweeter



Local Flight Schools

Quad Cities Aero

Training Aircraft:

Cessna 172 (3)

\$145 - \$160 / hr

\$55 / hr instructor rate

Location:

Quad Cities International Airport
Milan, IL

Contact:

<https://www.quadcitiesaero.com>

Revv Aviation

Training Aircraft:

Piper Cherokee Cruisers (2) - \$160/hr

Piper Cherokee Warriors (2) - \$170/hr

\$60/hr instructor rate

Location:

Davenport Municipal Airport
Davenport, IA

Contact:

<https://revvaviation.com/locations/davenport-ia/>

Local Flying Club

Flying Country Club

Training Aircraft:
Cessna 172 (1)

Location:

Quad Cities International Airport
Milan, IL

Contact:

<http://flyingcountryclub.com>

Quad City Area Flying Eagles

Training Aircraft:
Cessna 152 (1)
Cessna 172 (1)

Location:

Quad Cities International Airport
Milan, IL

Contact:

<https://www.qcfllyingeagles.com>

Want to Learn Even More??

EAA Learn to Fly Week Webinars May 13-15, 2025

Join us on May 13 - 15 for EAA Learn to Fly Webinars! Expert flight instructors and aviation professionals will be hosting engaging interactive sessions designed to kick-start your flight training journey.

Topics include:

- How to begin your flight training
- Tips for saving time and money
- Leveraging flight simulation
- Preparing for the FAA written exam
- Examiner advice for acing the check ride
- And much more!

<http://www.eaa.org/ltfweek>

Young Eagle Flights: Come Fly with Us!

Join one of our volunteer pilots for a one-on-one introductory flight!

- The flight is completely free!
- Ask lots of questions, take even more photos!



 Flying Start

Questions?

Now it's your turn.