FLIGHT & AEROSPACE ACADEMY · JERSEY CITY, NJ

Curriculum Guide · Winter 2027

Students learn to build and operate tomorrow's complex machines, and grow the problem-solving, teamwork and focus that last well beyond the classroom.

100+ students since 2025 | Taught by active pilots and engineers | 1:5 instructor-to-student ratio

FLIGHT & AEROSPACE ACADEMY

Courses & Pathways

Three tracks, three levels. Students are grouped by age and experience, and placed by skills and interests.

Design → Make → Evaluate

START HERE · AGES 6–8

Discovery Lab

A taste of all three tracks at discovery pace: fly the simulator and drones, then build planes, robots and cars. Kids find out what they love before choosing a track.

	FLIGHT Learn to pilot	AEROSPACE Engineer planes, drones & rockets	ROBOTICS Engineer robots that compete
100 **Start here** No experience needed	FLT 100 **Intro to Aviation** Fly real-world missions in our simulator across different aircraft and scenarios, learning navigation, weather and teamwork	UAS 100 **Intro to Aerospace Engineering** Build and fly your own RC airplane, and learn the physics that keep it in the air	ENG 100 **Intro to Robotics & Coding** Build robots and code them, from blocks to Python, to complete missions
	FLT 101 **Intro to Flight Training** Train like a student pilot: maneuvers, checklists and radio calls from the Private Pilot syllabus	UAS 101 **Drone Dynamics** Build, program and fly your own drone through timed missions	ENG 101 **Combat Robotics I** Design, wire and build your own 1 lb robot, then battle it in competitions
200 **Go further** After a 100 course, or by placement	FLT 201 — After FLT 101 **Private Pilot Prep I** Ground school and simulator training to prepare for the FAA Private Pilot written test	UAS 200 — After UAS 100 **Aerospace Engineering II** Design your own aircraft, test it in a flight simulator, then build and fly it	ENG 201 — After ENG 101 **Combat Robotics II** Engineer a tougher 3 lb robot built to compete in outside competitions
		UAS 201 — Certificate at 16+ **Remote Pilot Certificate Prep** Master airspace, weather and FAA rules to prepare for the Part 107 exam	ENG 202 — Spring 2027 **Robotic Arm & AI Vision** Program an arm that sees, grabs and sorts objects on its own
		UAS 202 — Spring 2027 **Rocketry I** Design, build and launch model rockets, and learn what keeps them stable	
300 **Specialize** After a 200 course	FLT 301 **Private Pilot Prep II** Fly with a partner flight school and prepare for the Private Pilot checkride	UAS 300 — Spring 2027 **RC Aerial Combat** Engineer a combat plane or drone and battle other pilots in tournaments	ENG 301 **Advanced Combat Robotics** Lead a team that builds and competes with 12 and 30 lb robots

Open for Winter 2027 | New for Spring 2027

Full course details at flightaerospace.academy/programs

Winter 2027 Tuition

10-week semester, January to March.

Core

$265 / month

3 payments (Jan, Feb, Mar) · $795 total

- 1 class per week
- 10 classes, 90 minutes each
- 1 course
- All materials included
- Visits to airports and aerospace companies

Intensive RECOMMENDED

$465 / month

3 payments (Jan, Feb, Mar) · $1,395 total

Save $195

- 2 classes per week
- 20 classes, 90 minutes each
- 1 course twice a week, or 2 courses
- All materials included
- Visits to airports and aerospace companies

Accelerator LAUNCH PRICE

$625 / month

3 payments (Jan, Feb, Mar) · $1,875 total

Save $510

- 3 classes per week
- 30 classes, 90 minutes each
- 3 courses, or 1 twice a week + 1 more
- All materials included
- Visits to airports and aerospace companies

Pay the semester upfront: save 5%

Siblings: 10% off each additional child

Not sure yet? Start with a $25 trial class

Discounts stack.

Refer a friend: you both get $100

No limit on referrals. Every family you bring earns you another $100.

1. Tell a friend about the Academy.
2. Your friend enrolls, names your family on the registration form and gets **$100 off** their first semester.
3. You get **$100 off** your next semester once they've attended their first class.

FAQ

Can my child mix courses?

Yes. Choose 1, 2 or 3 classes a week, in one course or across different courses. One course three times a week is available on request, depending on schedule.

How does the trial class work?

Your child's first class costs $25. If you continue, it counts as the first class of the plan you choose.

How does the sibling discount work?

The first child pays the regular price; each additional child gets 10% off.

What is the refund policy?

Full refund if you withdraw before the first class. See our terms for later withdrawals.

Terms: flightaerospace.academy/terms

What if we join after the semester starts?

You only pay for the classes left.

Do discounts stack?

Yes. The upfront, sibling and referral discounts can be combined.

How do payments work?

Pay in 3 monthly installments (January, February, March), or pay the full semester upfront and save 5%.

How does the referral program work?

You and the family you refer each get $100 off tuition. Referral savings apply to tuition only and have no cash value.

Dates & Logistics

SEMESTER	CLASS LENGTH	MONDAY TO FRIDAY	SATURDAY
Jan 11 to Mar 20, 2027	**90 minutes**	Slot 1 **3:45 – 5:15 PM**	Slot 1 **9:00 – 10:30 AM**
10 teaching weeks, no breaks	1:5 instructor-to-student ratio	Slot 2 **5:30 – 7:00 PM**	Slot 2 **10:30 AM – 12:00 PM**

Classes are grouped by age and experience. Share your preferred slots at registration and we confirm days in December. Parent lounge with WiFi.

Monthly Field Trips

Airport, heliport and aerospace company visits, included in tuition. Students see where pilots and engineers really work.

Project Showcase & Hackathon · Mar 20

The semester ends with students presenting their work to families and competing in teams.

Register for Winter 2027

flightaerospace.academy/winter-registration

Scan the code or visit the link. Seats are limited to 5 students per instructor.

1. **Try a class for $25**
   Not sure which course fits? We place your child based on their interests and skills. Credited when you enroll
2. **Choose your course**
   Pick a course and two preferred time slots
3. **Secure your seat**
   Pay monthly or upfront. Seats are first come, first served

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