

Drone Flight Training

Geotech UAS Flight Training & Part 107 Certificate Prep Course

The path towards becoming a UAS (or UAV, Drone) pilot begins here.

Register today for Geotech's UAS Flight Training & Remote Pilot Certificate Prep Course.

Geotech's FAA Certified Flight Instructors (CFI) have developed a 40 hour comprehensive course that combines both UAS flight training and ground school instruction. The UAS flight training module gives students the tools, resources, and experience to confidently launch a professional UAS business for either commercial or public operations. The ground school module focuses on preparing students for the Part 107 Aeronautical Knowledge Test (AKT) by teaching content that directly applies to professional UAS pilots. Geotech instructors are committed to helping you achieve your UAS training and certification goals.

UAS FLIGHT TRAINING 20 hours

Students from all backgrounds and experience levels will gain valuable industry knowledge and hands-on experience learning how to fly professional-grade unmanned aircraft systems (UAS) both manually and autonomously. Geotech instructors incorporate real-world experience to help students conduct search and rescue missions, inspections, data collection and processing.

PHASE 1: INDOOR FLIGHT TRAINING

Every student gets to keep an indoor UAS trainer that is used to learn fundamental aircraft control.

Instructors begin teaching basic techniques and progressively introduce more advanced flight maneuvers throughout the week.

PHASE 2: OUTDOOR FLIGHT TRAINING

Geotech instructors strive to provide students with as much flight experience as possible.

"Flight experience develops flight proficiency."

Of the 20 hours allotted for flight training, 16+ hours are allocated towards logging flight time.

PHASE 3: AERIAL DATA COLLECTION

The purpose of flying a UAS for commercial or public use is to collect actionable data.

Whether students are pursuing careers in UAS inspection, surveying, photogrammetry, geospatial, and/or search and rescue, excellent mission planning and execution is critical to a successful outcome. Instructors will present real-world mission scenarios where students and instructors work together to plan and execute the mission.



Every student gets to keep an indoor UAS trainer



Outdoor flight training

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com

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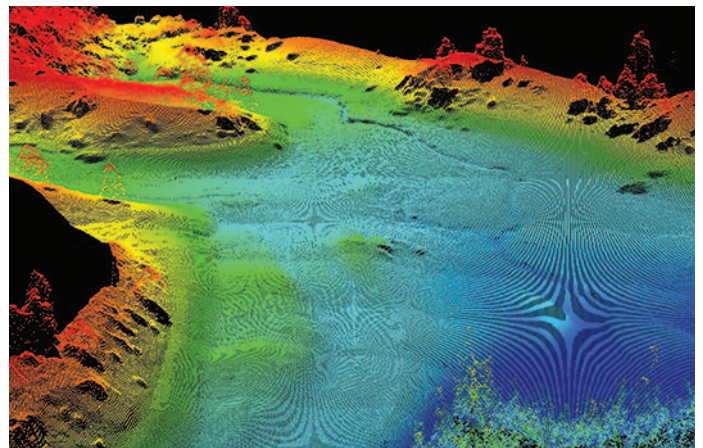
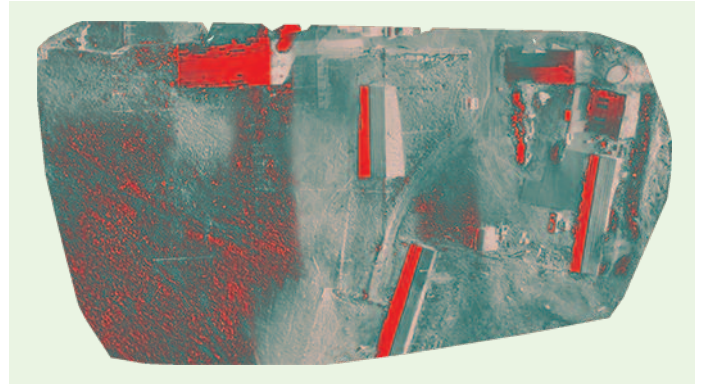


PHASE 4: POST DATA PROCESSING

Data management is often an over looked challenge for many UAS pilots. Leptron provides useful information on managing and processing data into useful and actionable deliverables.

- Point Cloud
- Orthomosaic
- DTM or DMS
- Contours
- Volumetric Survey
- RAW or JPG
- MP4 Video
- Logs (TXT)

Students receive a Certificate of Flight Training Completion at the end of the course.



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REMOTE PILOT CERTIFICATE PREP 20 hours

Per Title 14 CFR Parts 61, 91, and 107 "A person operating a small UAS must hold a remote pilot airmen certificate with a small UAS rating." Geotech pilot instructors offer the experience, knowledge, and authority to prepare students for the Aeronautical Knowledge Exam. The ground school module in combination with flight training gives students a thorough perspective of airspace and how to share it responsibly.

REMOTE PILOT PREP

Data management is often an over looked challenge for many UAS pilots. Leptron provides useful techniques to manage and process data into useful and actionable deliverables.

AIRSPACE

Students learn how to read aeronautical charts to identify airspace classifications, obstructions, restricted airspace, controlled airspace, and other information applicable to UAS operations.

Knowing airspace is the responsibility of those who occupy it.

COMMUNICATION AND AUTHORIZATION

UAS flight in certain classifications of airspace requires prior authorization from the ATC. Learn about terms, definitions, and resources to communicate with appropriate personal. Additionally, learn about filing NOTAMs and locating TFRs.

RISK ASSESSMENT

Part 107 outlines rules that must be followed when flying UAS for both commercial and public missions. Learn about other factors that affect pre-flight planning and mission execution.

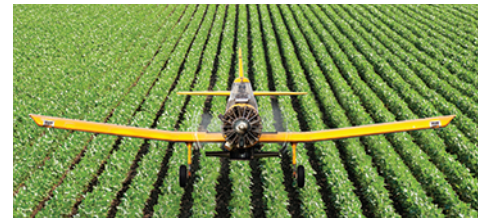
Geotech pilot instructors will also provide valuable techniques to assess risk and avoid disaster.

WEATHER

Obvious environmental conditions can affect UAS mission work. Its conditions that aren't that obvious that commonly put remote pilots at risk. Learn how to assess environmental conditions that give pilots peace of mind.

TAKE A RIDE

Students who attend Geotech's Flight Training and UAS Remote Pilot Certificate Prep course are given an opportunity to ride in a manned airplane alongside one of our certified pilots. The experience provides another perspective of the airspace that both manned and unmanned aircraft share.



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COMMONLY ASKED QUESTIONS

Where is Geotech UAS Flight Training held?

The Geotech UAS training facility is located in Denver, Colorado. Training is held where Leptron UAS are designed, manufactured, and supported.

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue
Denver, CO 80205

Contact a Geotech representative for more details at 800.833.7958.

What is the course duration?

Geotech understands that your time is valuable. Geotech's flight instructors have consolidated UAS Flight Training and Remote Pilot Prep content into a comprehensive 5-day course.

Classes are scheduled for the second full week of each month.

Course work is conducted Monday – Friday 8 am – 5:00 pm.

The class includes:

- Practical Flight Experience
- Ground School Instruction
- Part 107 Exam Fees, Scheduling, and Lunch Served Daily
- Common Beverages Include Water, Tea, Coffee, Soda
- Indoor Quadcopter Trainer
- Binder with Course Content

How much flight experience will I receive?

Geotech instructors strive to provide the most flight time possible. You will be flying basic maneuvers by day-one. The course is progressive, so as you become comfortable with piloting the UAV, more advanced maneuvers will be introduced. The course includes a pilot-log book where you can begin tracking UAS pilot flight time.

What experience is recommended to attend?

Geotech caters to students from all experience levels and backgrounds.

Geotech instructors will work with you one-on-one through interactive discussion, flight training, and exam preparation.



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