



MERIDIANHD



Elevating People... Advancing Aviation...

UAS CAPABILITIES & FAA-ALIGNED TRAINING SERVICES

Building Aviation Knowledge. Developing Certified Talent. Creating Industry-Ready Operators. Team Meridian has entered the unmanned aviation and emerging-technology training marketplace with a clear attitude: we are in it to win it. For our learning-institution partners, that means delivering more than classroom theory or test preparation. MeridianHD is developing a demonstrably different training experience—one that connects aviation education, FAA-aligned knowledge, applied flight operations, STEM learning, and real-world industry exposure.

Meridian's broader educational strategy incorporates drone-based curriculum aligned with FAA certification pathways as a direct bridge between education, emerging technology and workforce development.

THE MERIDIAN DIFFERENCE — DIRECT EXPOSURE MODEL

Students learn through interaction with active industry experts, FAA-aligned consultants, commercial UAS operators, technical specialists, and prospective end users across agriculture, infrastructure, public safety, and enterprise operations. This direct exposure model transforms theoretical instruction into applied readiness, allowing participants to understand not only how to operate safely and compliantly, but how UAS technologies are deployed to solve actual industry problems.

MERIDIANHD

We don't just teach you to fly.
We prepare you to lead.

- FAA-aligned training and certification pathways
- Industry-experienced instructors and mentors
- Hands-on learning with real-world mission experience
- Pathways to high-demand careers in aviation and emerging technologies
- Building the next generation of aviation professionals

LEARN. FLY. INNOVATE. LEAD.

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TRAINING & CERTIFICATION PATHWAYS



RECREATIONAL FLYER | FOUNDATIONAL UAS READINESS

An accessible entry point for students, community learners, and emerging aviation enthusiasts. Training builds foundational aviation literacy and supports FAA Recreational UAS Safety Test (TRUST) readiness while progressing participants into practical areas such as regulatory and flight fundamentals, risk management, mission planning, mapping operations, infrastructure inspection, and introductory BVLOS concepts. FAA regulations require recreational flyers operating under the statutory recreational exception to successfully complete TRUST.

COMMERCIAL REMOTE PILOT | FAA PART 107 READINESS

A career-focused hybrid learning pathway combining instructor-led education, online learning, hands-on flight applications, and examination preparation. Participants advance through regulatory foundations, commercial flight operations, mapping, telecommunications and infrastructure applications, data processing, mission execution, and capstone activities. The pathway prepares candidates for the FAA aeronautical knowledge examination required to obtain the Remote Pilot Certificate under Part 107.

ADVANCED OPERATIONS | PUBLIC SAFETY & ENTERPRISE APPLICATIONS

Advanced instruction prepares learners and institutional teams to apply UAS technology within law enforcement support, fire and emergency response, search and rescue, emergency management, infrastructure assessment, environmental monitoring, agriculture, utilities, and enterprise operations. Meridian's applied learning model incorporates real-world operational scenarios that prepare graduates to support mission-critical public and private sector organizations.

AIR CARRIER / OPERATING CERTIFICATE READINESS | PART 135

For advanced institutional, commercial, and STEM-based programs, Meridian offers a progression into the operational, engineering, and certification disciplines associated with sophisticated UAS enterprises. Training spans aviation and certification preparation; applied flight and engineering systems; safety and operational planning; and industry-focused applications in infrastructure and agriculture. Participants gain an understanding of the operational frameworks supporting FAA Part 135 air-carrier certification and advanced commercial UAS operations.

CORE CURRICULUM CAPABILITIES

- FAA Regulatory Framework
- Aeronautical Knowledge & Flight Operations
- Aircraft Systems & Engineering Fundamentals
- Mission Planning & Data Acquisition
- Mapping & Inspection Operations
- Cybersecurity & Data Integrity
- Ethics & Safety Management
- Public Safety Applications
- Industry Applications & Commercialization
- BVLOS Concepts
- Workforce & Career Readiness

REAL-WORLD APPLICATIONS & INDUSTRIES



BUILT FOR LEARNING INSTITUTIONS

MeridianHD partners with K–12 STEM programs, Career and Technical Education (CTE) programs, community colleges, universities, workforce development organizations, public safety academies, and government training institutions to establish scalable UAS education and FAA-readiness pathways.

Programs are designed for online, hybrid, classroom, laboratory, and applied-flight learning environments, enabling institutions to deliver a comprehensive aviation education continuum—from introductory recreational flight through commercial remote pilot certification preparation and advanced operational applications supporting industry and public safety.

WHY MERIDIANHD

- Industry-Driven Curriculum aligned with FAA standards and evolving UAS technologies.
- Experienced Practitioners with backgrounds in aviation, engineering, infrastructure, public safety, telecommunications, and commercial drone operations.
- Applied Learning Environment emphasizing hands-on missions, case studies, and real-world operational scenarios.
- STEM & Workforce Development Focus connecting students with emerging career pathways in aviation, engineering, geospatial technologies, data analytics, and autonomous systems.
- Scalable Institutional Partnerships tailored for secondary education, higher education, workforce development, and continuing education initiatives.

THE MERIDIANHD DIFFERENCE – BEYOND ONLINE LEARNING

 FIELD PILOT COURSE MANEUVERS Hands-on flight training with real maneuvers, emergency procedures, and mission scenarios.	 HANDS-ON DISASSEMBLY & REASSEMBLY Learn by doing. Understand your equipment inside and out for safety and performance.	 MISSION PLANNING & DATA ANALYSIS Plan smarter missions using professional tools and analyze data for real-world decisions.	 EXPOSURE TO PILOT PRACTITIONERS Learn from active industry experts and operators with real-world experience.	 MENTORSHIP & CAREER PATHWAYS Guidance, networking, and support to help you launch and grow your aviation career.
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FROM CLASSROOM TO CAREER. FROM *LEARNING* TO *LEADING*.

MERIDIANHD

Preparing the next generation of aviation professionals
to safely operate, intelligently apply, and commercially advance unmanned aircraft systems
across the public and private sectors.