

**A PROFESSIONAL
DRONE TRAINING
TAILORED TO
EDUCATE DRONE
OWNERS AND PILOTS
WITH WORLD-CLASS
SKILLS AND
COMPETENCE TO
OPERATE DRONE
SAFELY &
RESPONSIBLY**

PFA TRAINING CENTER

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DRONES IN AGRICULTURE COURSE



BASIC DRONE PILOT COMPETENCY COURSE



**PRECISION
FIELD
ACADEMY**

OVERVIEW

This comprehensive program equips participants from organizations with the knowledge and skills necessary to safely and effectively integrate drone technology into their operations. Through a blend of theoretical and practical training, attendees will gain a thorough understanding of drone regulations, flight operations, data capture techniques, and industry-specific applications.

Precision Field Academy has developed an Agriculture course to equip drone owners and licensed Drone Pilots with the knowledge, skills and competence to operate drones in agriculture effectively. Drone operators will receive theoretical & practical sector specific training for Drones in Agriculture. This course will provide participants with an understanding of drone applications in agriculture, the regulatory environment as well as the technical aspects of drone operations and drone data processing.

There are many uses for drones in the agricultural sector. This agricultural drone course will provide participants with an introduction to the most valuable and relevant applications. The course is aimed at Drone Owners and Licensed Drone Pilots.

Topics included will cover gathering aerial data, software applications, 2D and 3D mapping, autonomous mapping, farm surveillance, crop and stock monitoring, counting livestock, security, videography and basic editing, storage and data management

Note: This is a sector-specific training course and is not training for licensing

REVAMPING THE FUTURE OF WORKS

THEORY & FLIGHT OPERATIONS

*Types of drones for agriculture
Use cases for drones in agriculture
Principles of aerial mapping
Software for aerial mapping
Drone camera sensors for agriculture
Aerial cinematography for surveillance & monitoring.
Advanced drone flying VLOS & BVLOS
Safety Regulations & requirements for operations*

DATA PROCESSING & ANALYSIS

*Software for data analysis
2D and 3D mapping
Data sets for aerial mapping
Agriculture indexes for crop analysis
Data processing
Drone Maintenance (basics)
Video & Image editing
Data Storage & management*

KEY TAKEAWAYS

*RPAS regulations
Pre-flight checklist
Post-flight Report template
Logbook (Online)
Drone Apps for Flight Planning
Drone Apps for Weather & Navigation
Certificate of completion*

***NOTE: TRAINING SESSIONS CAN BE DONE IN A COMBINATION OF ONLINE AND PRACTICAL IN PERSON TRAINING. METHOD OF INSTRUCTION: ONE-ON-ONE OR GROUP TRAINING OF UP TO 3 PEOPLE. ATTENDEES MUST HAVE THEIR OWN DRONE FOR THE TRAINING. TRAINING TO BE DONE OVER 4 DAY**



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