

UAS Law Enforcement Training Schedule

Day 1

Learning Objective: Students will become familiar with DJI's M210 platform while developing basic UAS controllability skills by performing basic, intermediate and advanced flight maneuvers using both right and left sticks, culminating in a solo flight.

- 8:00 a.m. Ground orientation
 - Part 107 review
 - Aircraft and personal documents
 - Aircraft safety
 - Aircraft systems
- 11:00 a.m. Lunch provided
- 12:00 p.m. Travel to Crisis City Training Center
- 12:15 p.m. Public operations v. Part 107 operations
- 1:00 p.m. Flight maneuvers
 - EP 1 and EP 2 - Basic/intermediate/advanced maneuvers
- 4:30 p.m. EP 3 - Pre-Solo Stage Check
 - Part 107 regulations
 - Aircraft operating procedures
 - Aircraft systems
 - M210 flight check
- 5:00 p.m. Grade sheets and day 1 recap
- 5:15 p.m. Return to Kansas State Polytechnic and adjourn (may fluctuate based on weather and flight proficiency)

Day 2

Learning Objective: Students will continue to develop their basic, intermediate, and advanced flight maneuver skills learned from the previous day's lessons. Students will be introduced to crew/ single pilot resource management. Special focus on communication and utilizing all available resources will be emphasized culminating in a solo flight.

- 8:00 a.m. Travel to Crisis City Training Center
- 9:00 a.m. EP 4 - Solo
- 10:00 a.m. EP 5 - Single pilot resource management – sensor operations and Crew resource management – sensor operations
- 12:30 p.m. Lunch provided
- 1:00 p.m. EP 6 - Single pilot resource management – target identification and Crew resource management – target identification
- 3:30 p.m. EP 7 - Solo
- 4:30 p.m. Return to Kansas State Polytechnic and adjourn (may fluctuate based on weather and flight proficiency)

UAS Law Enforcement Training Schedule (continued)

Day 3

Learning Objective: Students will be introduced to techniques in photogrammetry using a UAS for accident scene reconstruction. Students will become familiar with various software applications to assist in the reconstruction process while continuing to develop single/ crew resource management and good aeronautical decision making skills. Students will also become familiar with night flight physiology and overcoming visual illusions during night operations.

- 10:00 a.m. Ground orientation
 - Photogrammetry tools for accident scene operations
 - GS Pro overview
 - DJI Pilot overview
- 12:00 p.m. SAR and Replace on Station descriptions
 - Lunch provided
- 1:30 p.m. Travel to Crisis City Training Center
- 2:00 p.m. Accident scene image acquisition and reconstruction
- 3:30 p.m. Search and rescue and replace on station scenarios
- 6:00 p.m. Return to Kansas State Polytechnic
- 6:30 p.m. Dinner provided
- 7:30 p.m. Ground orientation
 - Night operations
 - Zenmuse XT
- 8:00 p.m. Travel to Crisis City Training Center
- 8:30 p.m. Night EP (Group 1) and SAR dementia scenario (Group 2)
- 9:30 p.m. SAR dementia scenario (Group 1) and Night EP (Group 2)
- 10:30 p.m. Return to Kansas State Polytechnic and adjourn (will fluctuate based on sunset times)

Day 4

Learning Objective: Students will combine skills learned over the past three days using UAS for various scenarios. Students will operate as a team and as a single pilot using the appropriate resource management techniques to successfully complete the objectives outlined by the instructor.

- Time TBD Culminating ground school
 - No meal provided
 - Crew resource management - sensor operations
 - Search and rescue
 - Replace on station
- Schedule will be determined based on completion of training objectives throughout week and be announced by day 3. Conclusion will be mid afternoon or earlier.