



UAS FIRE AND HAZMAT RESPONSE TRAINING SCHEDULE

Day 1

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
- 1:00 p.m. Flight maneuvers
 - EP 1 and EP 2 - Basic/intermediate/advanced maneuvers
- 3:30 p.m. EP 3 - Pre-Solo Stage Check
 - Part 107 regulations
 - Aircraft operating procedures
 - Aircraft systems
 - M210 flight check
- 5:00 p.m. Return to Kansas State Polytechnic and adjourn (may fluctuate based on weather and flight proficiency)

Day 2

Students will continue to develop their basic, intermediate, and advanced flight maneuver skills learned from the previous day. 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 and crew resource management
- 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
- 4:00 p.m. Return to Kansas State Polytechnic and adjourn (may fluctuate based on weather and flight proficiency)

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Day 3

Students will use skills obtained in prior day for hazmat and VEIS Recon situations. Students will continue 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.

- 9:00 a.m. Ground orientation
- 10:00 a.m. Travel to Crisis City Training Center
- 11:00 a.m. Scenario rotations
 - HAZMAT (highway accident) scenario
 - Structure fire recon and overwatch scenario
- 1:00 p.m. Lunch provided
- 2:00 p.m. Search and rescue and replace on station scenarios
- 6:00 p.m. Return to Kansas State Polytechnic
- 5:00 p.m. Dinner provided
- 6:00 p.m. Ground orientation
 - Part 107 v. public operations
 - Night operations
 - Zenmuse XT
- 7:30 p.m. Set up night operations
- 8:00 p.m. Night EP (Group 1) and SAR scenario (Group 2)
- 9:00 p.m. SAR scenario (Group 1) and Night EP (Group 2)
- 10:00 p.m. Return to Kansas State Polytechnic and adjourn (will fluctuate based on sunset times)

Day 4

Students will combine skills learned over the past 3 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.

- 11:00 a.m. Culminating ground school
 - No meal provided
- 11:30 a.m. Travel to Crisis City Training Center
- 12:00 p.m. Culminating event
 - Single pilot resource management - sensor operations
 - HAZMAT train derailment event
- 3:00 p.m. Return to Kansas State Polytechnic and conclude program