



“UAV Systems in Industry” RPAS Ground School - Course Outline

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Course Description

This course is designed for new or experienced remotely piloted aircraft system (RPAS) operators who are now required to complete RPAS pilot ground school under Transport Canada Regulations. The course includes a comprehensive review of the rules and regulations governing the operation of RPAS in Canada, as well as everything that RPAS operators should know prior to piloting an aircraft or applying for a Special Flight Operations Certificate (SFOC).

M3 Aerial Productions is registered with Transport Canada as a Compliant RPAS Ground School, and our instructors are experienced pilots and trainers. Upon successful completion of the course you will receive a certificate of completion, and be prepared to write the federal Advanced RPAS Operators License Exam, which will be a requirement for operations starting in 2019.

Course Outline

Course content covers the mandatory Transport Canada learning outcomes described in *TP 15263: Knowledge Requirements for Pilots of Unmanned Air Vehicle Systems (UAV) 25 kg or Less, Operating within Visual Line of Sight*. The course will focus on the following learning outcomes:

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| ◀ Canadian Aviation Regulations | ◀ Radio Operators Certification |
| ◀ Flight and Aerodynamic Theory | ◀ Experiential Scenario Analysis Radio Theory |
| ◀ Aeronautical Safety | ◀ Flight Operations |
| ◀ Essentials of Meteorology | ◀ Flight and Mission Planning |
| ◀ Aerodromes and Airports | ◀ Pilot Navigation |
| ◀ Operating and Flight Rules | ◀ Dealing with Emergencies Weather Constraints |
| ◀ Aeronautical Maps and Charts | ◀ Human Factors |
| ◀ Air Law | ◀ Airspace Recognition Pilot Discipline |
| ◀ Communicating with NAV CANADA | ◀ Human Factors |
| ◀ SFOC Application Process | ◀ Pilot Discipline |
| ◀ Insurance Requirements | |

Final Prep Exam Format

Following the course, a Final Preparedness Exam will be administered, consisting of 60 questions, on which a minimum passing grade of 80%, which is designed to prepare the student to write the new government exam. Once complete, the Certification of Completion will be issued, which can be used for insurance applications, and to apply for an SFOC from Transport Canada.