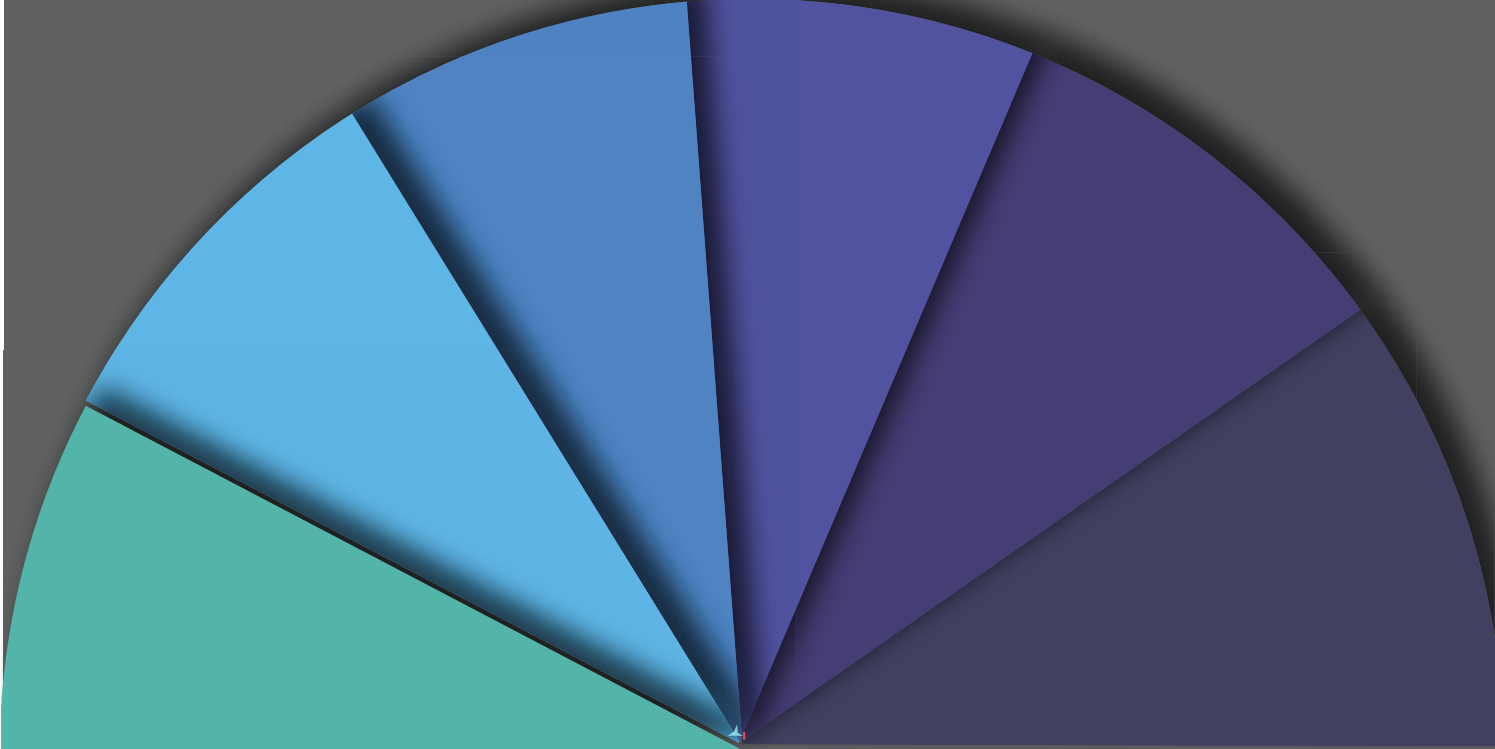


SACAA/1553ATO



RPAS MAINTENANCE TECHNICIAN (RMT) COURSE 2022





RMT COURSE ADMISSION REQUIREMENTS 2022



RPAS Maintenance Technician (RMT)

Fundamentals of drone maintenance principles, concepts and hands-on experience necessary to obtain the RMT license from the South African Civil Aviation Authority.

Dear Student,

Thank you for choosing Ntsu Drone Academy to do your RPL course.

Admin requirements

The following documents are required from each student:

1. Completed Student Information Form

Please scan the icon below or click on the following link in order to register as a student:

<https://forms.gle/Lvkmcm14HmuhhXwb8>



2. Certified Copy of ID Document
3. Certified Copy of Matric Certificate
4. Two ID Photos
5. Certified Copy of Class 3 Medical Certificate
 - o This examination needs to be completed by an Aviation Medical Examiner, approved by the SACAA (South African Civil Aviation Authority). This examination cannot be done by your local GP.

- o See a link to a detailed list of SACAA approved Medical Examiners

<http://www.caa.co.za/Pages/Aviation%20Medicine/Senior%20Designated%20Examiners.aspx>



Course objectives

- Part 101 maintenance requirements within the context of an ATO and the ROC.
- Practical experience to perform maintenance functions for the specific aircraft type
- Basic understanding of various drone components (e.g. airframe, battery care, ESC etc.)

Course Delivery

- Learning Style: Classroom and Practical
- Duration: Up to 16 hours

Course Description

The course is designed to provide participants with a fundamental understanding of drone maintenance principles and concepts. The course also provides practical experience necessary to attain an RMT license as per Part 101 requirements. Student will receive RMT license issued by the Civil Aviation Authority after successful completion of training.



R P A S

MAINTENANCE TECHNICIAN SYLLABUS

Why Maintenance

- Concept of maintenance (ICAO Annex 8)
- Role of maintenance in the organization's Safety Management System (Annex 19)
- Part 101 regulations
- Documentation (Records etc.)

Power Plant

- Batteries
 - Battery Types
 - Charging-Discharging
 - Handling
 - Transportation
 - Storage

Propulsion System

- Motors
- Propellers
- ECS

Software/Firmware

- Update

Pre/Post Flight Inspection

- Checklists

Airframe

- Inspection
 - Airframe
 - Landing Structure
 - Payload Mount
 - Antennae

Remote Pilot Station (RPS)

- Inspection
- Controls and buttons

Compass

- Calibration



NTSUDRONEACADEMY

TRAINING & SKILLS DEVELOPMENT



official reseller



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