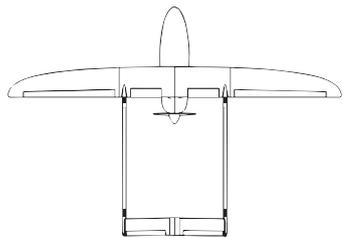


NATIONAL DRONES

CERTIFICATE III IN AVIATION
REMOTE PILOT - AVI30419



SUMMARY

National Drones Training Institute will be delivering the AVI30149 (Certificate III in Aviation - Remote Pilot) course to selected year 11 and 12 students throughout the state.

National Drones Institute is an industry leader in the training field. Our extensive background in aviation as well as in the operation of remotely piloted aircraft systems puts us at the forefront of delivery for our CASA certified training programs.

Commercial operations utilizing remotely piloted aircraft systems (RPAS) fall under the provisions of the Civil Aviation Safety Regulations (Part 101) made under the Civil Aviation Act 1988.

Under these provisions it is strictly forbidden for a remotely piloted aircraft (RPA) greater than 2kg to be operated for commercial gain, unless the operating business has a valid RPA Operator Certificate (ReOC) issued by the Civil Aviation Safety Authority (CASA) and that the controller (pilot) of that aircraft holds a Remote Pilot License (RePL). In most cases, an Aeronautical Radio Operator Certificate (AROC) is also required.

At National Drones Institute, we regularly train students from Government and Law Enforcement Agencies, tertiary education facilities, power and utilities organisations, multi-national mining operations and nationwide survey companies to name just a few. We are always happy to provide referees for our training courses.

National Drones are passionate about empowering the next generation of students, and giving them the necessary tools and pathways to succeed in the technology field. Our place as one of Australia's leading services organisations, working with some of the biggest companies in Australia, positions us well to pass on this knowledge to the next generation of students.

CAREER PATHWAYS

OPENING UP NEW OPPORTUNITIES

At National Drones, we believe in empowering the next generation of students, to dream bigger and use technology for good.

Drones are providing upskilling opportunities for students as well as additional career pathways. Many of the jobs that will be necessary in the future, haven't even been dreamt of today.

Whilst there are certain skills required to operate a drone, the real value in drones is as a tool, to collect data, and information. Our course focuses on bringing together all elements of an operation, from pre-flight planning, to occupational health and safety considerations, regulatory considerations, and most importantly, successful data capture and analysis techniques. These are all valuable skills for VET students to master, and will provide value no matter their chosen career path.

INDUSTRIES AND OCCUPATIONS UTILIZING DRONE TECHNOLOGY

- Engineering - the data being collected by drones can be extensively used for inspections of critical infrastructure reducing the need for people to work at heights
 - Telecommunications - creation of 3D digital assets and use of Artificial
- intelligence for auditing of antennas and identification of corrosion
 - Surveying - is an industry being disrupted by Drones. The amount of data that can be collected and the richness of this data exceeds traditional means significantly.
 - Mining - There are many professions in the mining sector now utilizing drones, or the data collected by drones. This can be in pre-project planning, monitoring of critical assets and systems such as tailings dams, and many others.
 - Energy - Opportunities within the energy sector include both renewables, and traditional transmission and distribution. Drones can be used by site managers on a solar farm, to look for defective panels, by riggers who normally climb wind turbines, and inspections or line technicians monitoring traditional power line assets.
 - Building and construction - The building and construction industry is utilizing drones for progress monitoring, as well as things like roof inspections. This can be done by plumbers, inspectors or many other trades.
 - Law enforcement - Drones are significantly used in Law Enforcement from emergency response, to forensics and photographs. Many state law enforcement agencies have large teams

ACCREDITATION

AVI30419 - CERTIFICATE III IN AVIATION (REMOTE PILOT)

Our AVI30419 - Certificate III in Aviation - (Remote Pilot) course is designed to take students from having never operated a RPA to obtaining your Certificate III under the guidance and tuition of experienced course instructors. Our course will also accredit students with an Aeronautical Radio Operators Certificate (AROC), which is required to operate an RPA in Controlled airspace.

RPA's are now becoming commonplace in many industries, from Law Enforcement, to Engineering, Mining, Telecommunications, Energy, Utilities and others. Empowering high school students at an early age, will ensure they have options and pathways for this exciting future technology.

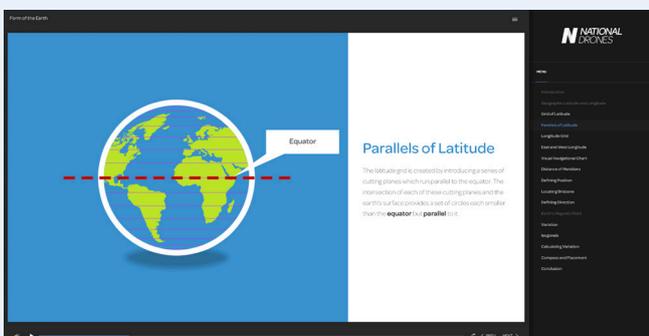
Our course is designed from the outset to be as engaging as possible through use of interactivity, supplemented with a study guide written specifically for RPA operations. Some of the topics covered include

- Flight Planning
- Navigation
- Controlled Airspace
- Air Law
- Identifying airspace
- Gaining area approvals
- NOTAMS (Notice to airmen)
- Principles of Flight
- Weight and Balance
- Aircraft Components and Systems



WHY TRAIN WITH US?

- No previous experience necessary – we train you in every aspect of the operation.
- Aviation Background - Our extensive aviation background ensures that you will get relevant information passed onto you.
- Comprehensive flight operations training, resulting in CASA issued certification.
- We can assist in the process of obtaining a RPA Operator Certificate (ReOC) through the Civil Aviation Safety Authority (CASA)
- Course Content Matters! We have gone to extraordinary efforts to ensure that our extensive training resources support our students. This includes a 300 page study guide developed in conjunction with Bob Tait's Aviation Theory School, as well as a large online learning management system which is jam-packed with resources.
- Real world experience - there are certain things which can only be passed down from having operational experience out in the field.
- Assistance with data processing and flight planning based on your operation type if required. We train to suit your proposed operation
- Aeronautical Radio Operator Certificate and English Language Proficiency assessment is included in the course at no extra cost. This is a requirement for operations within controlled airspace.
- Extensive ongoing support - Consider us your partner for life
- Choice of platform - we give you the option to train on both multirotor (small and large) as well as fixed wing systems (small and large) as required
- All course materials are supplied including training drones. All you need to do is turn up to the course; the rest is provided.



Online

We provide a learning management system packed with learning resources for students. This contains everything from lessons, to assessments, and a library full of relevant information which will provide valuable in the real world. Our content has been designed to ensure that learning is engaging, and fun, as this is when information is best retained. This information also supplements the in class presentations.

Private Courses

We also hold private courses. Please contact us direct for more information on pricing and availability.



In Person

Our in person training is the part of flying that students enjoy the most. This involves the hands on, practical drone flying and covers anything from controlling the drone in non-autonomous modes, to planning completely autonomous flights.

This training is conducted in a safe and caring environment, designed to give the best learning and safety outcomes possible.

FREQUENTLY ASKED QUESTIONS

What is AVI30419?

AVI30149 is a Nationally accredited course in the operation of remotely piloted aircraft. This is certified by ASQA and delivered by the National Drones Training Institute

What is an AROC?

AROC stands for Aeronautical Radio Operators Certificate. This certificate authorises an individual to utilise an aeronautical radio to communicate with air traffic and Air Traffic Control (ATC). This certification is a requirement when operating an RPA within proximity to aerodromes or in controlled airspace when your RPA weighs more than 2kg. This is included in our RePL course.

What is a RePL?

RePL stands for Remote Pilot License. The RePL is an individual certification for those that wish to commercially operate drones above 2kg. Once you obtain an RePL, to fly commercially you will need to do so under an organisation (or individual) that holds an RPA Operators Certificate (ReOC) or obtain your own. The RePL is a Civil Aviation Safety Authority certification, and is also issued in conjunction with the Certificate III Qualification.

What type of drones can I be certified on?

We offer certification for multi-rotor sub 7kg, multi-rotor up to 25kg and fixed wing sub 7kg. Please note multi-rotor up to 25kg and fixed wing sub 7kg are at additional costs and will need to send through separate enquiry.

How long do the Qualifications last for?

The RePL and AVI30149 have no expiry date.

What content is covered in the course?

Some of the topics included are:

- Flight Planning
- Navigation
- Controlled Airspace
- Air Law
- Identifying airspace
- Gaining area approvals
- NOTAMs (notice to airmen)

Is the Qualifications and RePL license valid internationally or only in Australia?

Australia only.

What are the assessment methods for the course?

Students are assessed for understanding throughout the theory part of the course via:

- Pop quizzes throughout the online training material
- Question of students directly
- Questions from the study guide for students
- Exercises during the practical component of flight training
- Sample problems and scenarios during the practical component of flight training
- At end of the theory a final exam will be taken

What is an ARN?

An ARN stands for an Aviation Reference Number. An ARN is a number that is assigned by CASA to an individual or company. It is used as a reference for your certifications. You will need on when it comes time to fill out your application forms for both the RePL and ReOC. It is free to obtain and can be done online through the CASA [website](#).

How is the course delivered?

We propose to deliver the course in each of the school terms over the 2 year period, delivering 3 hours a week of combined theory, and practical training to students. We bring all required materials to the school, as well as the remotely piloted aircraft for training purposes.

What is the cost of the course?

The course cost is \$2800 per student, and includes all training materials, licencing and certification requirements with both CASA and ASQA and access to our online learning management system.

Additional packages will be offered for students looking to purchase their own drone as part of the course.

To make an enquiry about our services:

 1300 759 843

 skyview@nationaldrones.com.au

 nationaldronesinstitute.com.au



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