

Becoming a Remote Pilot



Learn. Operate. Succeed.

Comprehensive school
programs for **RPAS** training.

Aviation Australia is a world class, registered training organisation, established by the Queensland State Government in 2001 to support the development and growth of aviation and aerospace industries in both the Australian and international markets.



Train with Australia's
leading aviation skills provider



2025 PROGRAMS



10935 NAT - Certificate II Autonomous Technology

This course provides foundation knowledge in software, hardware and supporting frameworks required for autonomous environments including innovative thinking, networking and programming. Students will learn to understand the programming language Python and use coding, programming and simulator technologies to enable real world automated missions and tasks.



AVI30419 - Certificate III in Aviation (Remote Pilot)

This is the highest qualification available for those wishing to enter the uncrewed industry and begin operating drones for business purposes.

In addition to the Certificate III in Aviation (Remote Pilot) vocational qualification, course participants will graduate with Civil Aviation Safety Authority (CASA) industry licences - the Remote Pilot Licence (RePL) and Aeronautical Radio Operator's Certificate (AROC).



Micro-credentials

Micro-credentials are intended to assist participants to learn more about working in emerging, digital and autonomous industries. Micro-credentials are offered as two qualifications per day of learning in a group setting. Ideal for a day experience in schools. Successful completion awards students with a digital badge to share their experience via their CV and social media.

Get in touch

**Scan here to register
your interest today!**



Let us know if you're interested in a specific course or all three opportunities for your staff and students.

*scan
me* ↗

10935 NAT - Certificate II Autonomous Technologies

VET in Schools

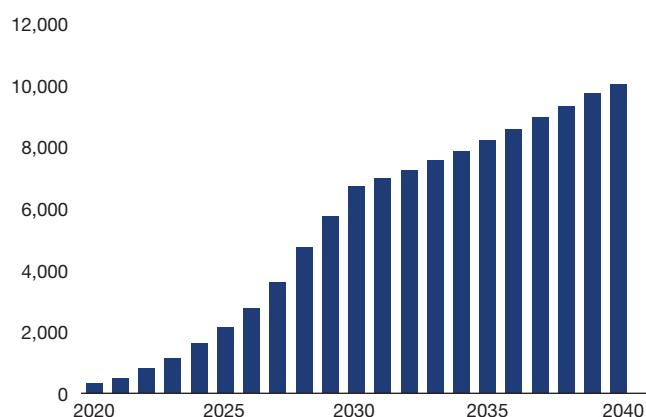


Train with Industry Leaders

Aviation Australia is committed to advancing the aerospace industry, with support from the Queensland Government, by providing school-to-work pathways that enable students to embark on a career in aviation. The 10935NAT Certificate II in Autonomous Technologies introduces participants to the skills required for the emerging field of autonomous technologies. This qualification covers foundational knowledge in software, hardware, and supporting systems, emphasising innovative thinking and problem-solving skills.

Students will gain expertise in information communication technologies such as networking, programming, and the Internet of Things (IoT), as well as autonomy and robotics, including electrical control circuits, fluid power, and Programmable Logic Controllers (PLC). The course also provides essential training in safety, technical communication, and industry requirements, preparing students for diverse career opportunities. With hands-on experience and a focus on lifelong learning, this program offers pathways to further education in technical, engineering, trade, and ICT fields, aligning with the demands of the rapidly evolving autonomous technologies sector.

Job creation potential, Australia - 2020 to 2040



Core Units	Unit Title
1 ICTPRG302	Apply introductory programming techniques
2 ICTTEN205	Build and maintain a secure network
3 MSMSUP390	Use structured problem-solving tools
4 MSMWHS200	Work safely
5 NAT10935001	Work effectively in autonomous environments
6 NAT10935002	Handle technical communication in autonomous environments
7 NAT10935003	Design basic fluid power logic diagrams for autonomous systems
8 NAT10935004	Design basic logic ladder diagrams for autonomous electric control circuits
9 NAT10935005	Produce a documentation suite for autonomous systems
10 NAT10935006	Configure autonomous embedded systems
11 NAT10935007	Prepare basic programs for programmable logic controllers (PLCs) for autonomous applications
12 NAT10935008	Use basic positioning technology
13 NAT10935009	Conduct a basic autonomous technology project
14 VU22338	Configure and program a basic robotic system

Elective Units	Unit Title
1 ICTNWK308	Determine and action network problems
2 MSMWHS201	Conduct hazard analysis

KEY INFORMATION

- ✓ Available to Year 10, 11 & 12 students
- ✓ Attracts 4 QCE points
- ✓ 12 or 18 month programs available
- ✓ Contact hours depend on the schools timetabling

MODES OF STUDY

- ✓ **Online** - Computer based online study with teacher support and Aviation Australia instructors
- ✓ **Theory** - Classroom based theory training delivery
- ✓ **Practical** - Students will undertake Air and Land scenario based training. Aviation Australia instructors will conduct practical flying assessments upon completion.

LOCATIONS

- ✓ Currently available in
- ✓ Queensland Only
- Other locations on request

FUNDING

- ✓ Funding is available for eligible students
- ✓ Students may access only one VETiS funded course in High School.
- ✓ Aviation Australia will assist in assessing the eligibility of students.

Students ineligible for VETiS funding can still participate and are advised to contact Aviation Australia for current fee options.

AVI30419 - Certificate III in Aviation (Remote Pilot)

VET in Schools



Aviation Australia is dedicated to the growth and development of the aerospace industry, supported by the Queensland Government, to supply school-to-work pathways that allow school students to take their first step towards a career in the aviation industry.

Thanks to ongoing technological advances, drones are finding their way into many industries.

Uncrewed aircraft will continue to replace manned aircraft for many tasks due to their efficiency, reduced cost and operating expenses. The opportunities are endless in this rapidly evolving sector.

The above qualification provides students with important training required to legally and safely operate a remotely piloted aircraft and also allows students to fly without many of the weight or operating restrictions applied to recreational users.

Students train real-life scenarios to experience real-life job tasks, taking the student from initial flight and risk management planning through to, flying the task and reviewing the quality of their work after landing.

There is also a strong focus on developing the students non-technical skills, such as communication, teamwork, decision making and situational awareness.

Students are placed in a number of workplace scenarios and gain hands-on experience. Aerial photography and mapping techniques are also introduced.

Core Units	Unit Title
1 AVIF0021	Manage human factors in remote pilot aircraft systems operations
2 AVIH0006	Navigate remote pilot aircraft systems
3 AVIW0004	Perform operational inspections on remote operated systems
4 AVIW0028	Operate and manage remote pilot aircraft systems
5 AVIY0023	Launch, control and recover a remotely piloted aircraft
6 AVIY0031	Apply the principles of air law to remote pilot aircraft systems operations
7 AVIY0052	Control remote pilot aircraft systems on the ground
8 AVIY0053	Manage remote pilot aircraft systems energy source requirements
9 AVIZ0005	Apply situational awareness in remote pilot aircraft systems operations

Elective Units	Unit Title
1 AVIE0003	Operate aeronautical radio
2 AVIG0003	Work effectively in the aviation industry
3 AVIW0006	Perform infrastructure inspections using remote operated systems
4 AVIW0007	Perform aerial mapping and modelling using remote pilot aircraft systems
5 AVIY0027	Operate multi-rotor remote pilot aircraft systems

KEY INFORMATION

- ✓ Available to Year 10, 11 & 12 students
- ✓ Attracts 6 QCE points
- ✓ 12 or 18 month programs available
- ✓ Contact hours depend on the schools timetabling

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- ✓ **Online** - Computer based online study with teacher support and Aviation Australia instructors
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QUALIFICATIONS

On successful completion of the course, students receive:

- ✓ Certificate III in Aviation (Remote Pilot) AVI30419
- ✓ Remote Pilot Licence (RePL) - subject to students meeting the assessment standard.
- ✓ English Language Proficiency Assessment (ELP) - CASA requirement.

Contact Us

AviationAustralia

+61 (0) 7 3860 0900

@AviationAust

customerexperience@aviationaustralia.aero

AviationAust

aviationaustralia.aero