

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

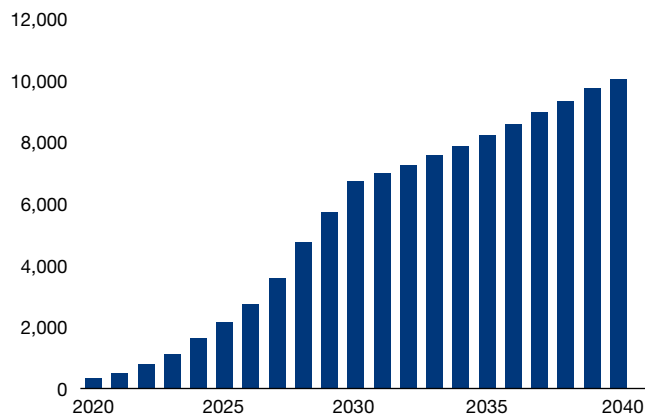


Train with Industry Leaders

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 Unit	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

- ✓ All Australian capital cities
- ✓ 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.

10935 NAT - Certificate II in Autonomous Technologies

Delivery Detail	10935 NAT Full Delivery	10935 NAT Partner School Delivery
Locations	SEQ, Cairns	Nationally
Timeframes	12 months	12 months or 18 months
Outcome	10935 NAT	10935 NAT
Cost	VETIS Funded – FFS contribution based on numbers	VETIS Funded in QLD – FFS contribution based on numbers
Minimum student numbers	12	8
Required contact time	Minimum 6 hrs / week on average	Minimum 4 hrs / week on average
Delivery model	One day / week on campus + project intensives across the year	School Discretion / Timetabling
AA Instruction	Theoretical delivery + practical assessment	Final practical assessment
School Resources	-	VET Certified Teacher* Suitable Autonomous Equipment
Delivery Resources	AA Learning Management System (theoretical) Projects Auto Marked chapter exams Textbook	AA Learning Management System (theoretical) Projects Auto Marked chapter exams Textbook
Cert II Equipment	AA Equipment	AA will provide supporting equipment based on numbers and agreed training commitment

Note: Aviation Australia will provide RPL for the 10935 NAT CII at no cost for partner school teachers delivering our program, fixed dates will be provided.

10935 NAT - Partner School Delivery Key Information 2025

Item	Requirement	Dates / Timeframes
Expression of interest	Please Advise: 12mths/18mths program - Expected student numbers - Teacher experience	31st August 2024
Teacher Training (10935 NAT)	• Two five day course commitments with self paced pre study	One of: 9th-13th September 2024 15th – 19th September 2024
	• Delivered at Aviation Australia – Brisbane Airport Campus	One of: 9th-13th September 2024 16th-20th December 2024
Student Enrolment	Students / school to complete mandatory enrolment process for funding & compliance	15th July – 13th December 2024
Student Resources	AA to send course notes & student / teacher resources	Within 14 days of class enrolment confirmation
Equipment	AA to procure and provide based on course numbers / ratios in discussion with school partners	31st January 2025
Mandatory Bi-Monthly progress meetings	Mandated Bi-Monthly standards & progress meetings (Compliance)	Bi-monthly as agreed between the program co-ordinator and school contact



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 Unit	Unit Title
10 AVIE0003	Operate aeronautical radio
11 AVIG0003	Work effectively in the aviation industry
12 AVIW0006	Perform infrastructure inspections using remote operated systems
13 AVIW0007	Perform aerial mapping and modelling using remote pilot aircraft systems
14 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

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.

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.

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.

AVI30419 - Certificate III in Aviation (Remote Pilot)

Delivery Detail	AVI30419 Full Delivery	AVI30419 NAT Partner School Delivery
Locations	SEQ, Cairns	Nationally
Timeframes	12 months	12 months or 18 months
Outcome	AVI30419, CASA RePL	AVI30419, CASA RePL
Cost	VETIS Funded – FFS contribution based on numbers.	VETIS Funded in QLD – FFS contribution based on numbers.
Minimum student numbers	15	8
Required contact time	School Based: Minimum 2 hrs / week on average with additional flying days each term AA Based: 1.5 days / fortnight at AA Campus	Minimum 2 hrs / week on average and additional flying days each term
Delivery model	Online Delivery + In person Delivery options tailored to schools	School Discretion / Timetabling
AA Instruction	Theoretical delivery + practical flying and assessments	15 hours of theoretical RePL delivery and practical assessments.
School Resources	Supervising teacher for online lessons may be required.	VET Certified Teacher* Suitable RPAS Equipment (note below)
Delivery Resources	AA Learning Management System (theoretical) Flying lessons & Scenarios Auto Marked chapter exams Textbook	AA Learning Management System (theoretical) Flying lessons & Scenarios Auto Marked chapter exams Textbook
RPAS Equipment	AA Equipment	AA will provide supporting equipment based on numbers and agreed training commitment

Note: Aviation Australia will provide AVI30419 Certificate III training & certification at no cost for partner school teachers delivering our AVI30419, fixed dates will be provided.

AVI30419 - Partner School Delivery Key Information 2025

Item	Requirement	Dates / Timeframes
Expression of interest	Please Advise: • 12mths/18mths program • Expected student numbers • Teacher experience	31st August 2024
Teacher Training	• 7 day course commitment with some self paced pre study • Delivered at Aviation Australia – Brisbane Airport Campus	One of: 8th-14th September 2024 22nd – 28th September 2024 One of: 8th-14th September 2024 15th-21st December 2024
Student Enrolment	Students / school to complete mandatory enrolment process for funding & compliance	15th July – 13th December 2024
Student Resources	AA to send course notes & student / teacher resources	Within 14 days of class enrolment confirmation
Equipment	AA to procure and provide based on course numbers / ratios in discussion with school partners Equipment retained by the school on a two course commitment and refreshed every three years by AA.	31st January 2025
Mandatory Bi-Monthly progress meetings	Mandated Bi-Monthly standards & progress meetings (Compliance)	Bi-monthly as agreed between the program co-ordinator and school contact.
RePL Theory Delivery & Assessment Days	CASA Mandated 15 hrs theory delivery & practical assessment with AA instructors To be determined with the AA program coordinator and school contact based on school training plan	Options include: • Holiday delivery • Two days practical flying & exam window • Practical flying day each term

Contact Us

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