



MASSEY
UNIVERSITY
TE KUNENGA KI PŪREHUROA

UNIVERSITY OF NEW ZEALAND

YOUR
2016 GUIDE TO
AVIATION

I AM A
HIGH FLYER
I AM
THE NEW
NEW
ZEALAND



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AVIATION



Massey University School of Aviation marked its 25th anniversary in 2012. The school commenced in 1987 with 28 students. There are now more than 300 and about 10 per cent are international students.

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UPDATED JANUARY 2015

Please note: The information contained in this publication is indicative of the offerings available in 2016 and subsequent years. This information is correct at the time of going to press, but may be subject to change. While all reasonable efforts will be made to ensure listed programmes are offered and regulations are up to date, the University reserves the right to change the content or method of presentation, or to withdraw any qualification or part thereof, or impose limitations on enrolments should circumstances require this.

BACHELOR OF AVIATION BAv

DURATION
3 YEARS FULL-TIME

AVAILABLE
MANAWATU

SINCE 1993 MASSEY UNIVERSITY HAS BEEN OFFERING THE ONE-OF-A-KIND BACHELOR OF AVIATION.

When studying for the BAv, professional pilot licensing requirements of the Civil Aviation Authority of New Zealand are integrated into your degree's papers. And upon graduation, you'll be issued with a commercial pilot's licence and multi-engine instrument ratings.

You must meet the academic, technical and practicum requirements of Parts I, II and III of the degree for the award of CAANZ Licence and Air Transport Pilot Licence theory credits. Students are NOT required to appear for Civil Aviation Authority examinations as conducted by Aviation Services Limited.

QUALIFICATION OVERVIEW

Massey's School of Aviation is spearheading the training of a new generation of pilots through a process of constant improvements in academic excellence, training methodologies and equipment technology. The BAv degree is intended for career pilots and focuses on instilling students with professional values and qualities. In keeping with the introduction of technologically advanced aircraft, the School has introduced scenario-based training designed to develop the necessary competencies and skills demanded of professional air transport pilots, while retaining the basic flying skills required of any pilot.

Massey's state-of-the-art training fleet of Diamond DA 40 single-engine and DA 42 twin-engine aircraft are fitted with Garmin 1000 cockpit displays incorporating digital moving map displays, terrain awareness warning systems, and traffic avoidance systems.

Having been trained in accordance with industry best practices, successful students will graduate not just as competent pilots, but as 'flight deck managers' with a university education, and an in-depth understanding of the various facets of the industry. They become 'aviators with a difference'. A special feature of the Massey University flight-training programme is the airline bridging course module at the end of the flight-training phase. This is designed to prepare students for functioning as flight crew-members in multi-crew air carrier operations. Graduates with a Bachelor of Aviation degree also have the option of continuing with postgraduate study in aviation management.

The School of Aviation is a collaboration partner and preferred training provider for the Air New Zealand Aviation Institute. This privilege enables students who obtain their professional pilot's licence through Massey's School of Aviation to proceed to an Air New Zealand 'Airline Induction Course' – if they are successful in a selection process conducted by the airline. Upon completion of the course, these graduates will be placed in a 'pool' of preferred pilots for induction by Air New Zealand.

MAJOR

There is currently one major available for this degree.

AIR TRANSPORT PILOT (AEROPLANE OPTION) – ATP

The BAv is a 480-credit major (equivalent to four year's study) but can be delivered within three years. Parts I, II and III (a total of 360 credits) are taught in two calendar year blocks of 180 credits each year. On successful completion of Part III, students will have met the requirements for the award of a New Zealand Commercial Pilot Licence (CPL) with Multi-Engine and Instrument Rating, plus hold credits for all New Zealand Air Transport Pilot Licence (ATPL) theory examinations. CAA NZ require 1500 hours of flight experience and a flight test in an aircraft of 5700kg or greater before the ATPL can be issued.



KEAGAN GAARKEUKEN - BACHELOR OF AVIATION

ENTRY REQUIREMENTS

All applicants wishing to enrol in the BAv are required to meet the undergraduate admission requirements. See: enrol.massey.ac.nz for details. Furthermore as a Flight Training Partner with the Air New Zealand Aviation Institute it is now a requirement that all prospective students complete the ADAPT pilot pre-screening tool in the first instance (ie Stage One).

This test can be accessed on the ATTO SkillsConnect website:

<http://www.nzskillsconnect.co.nz/about-the-assessment>. Candidates should forward their results directly to the School of Aviation immediately after they are advised by ATTO.

Candidates should meet a satisfactory standard in this test in order to be invited to the subsequent stage of the School of Aviation selection process (ie Stage Two).

Candidates scoring "POOR" on the ADAPT test will not proceed to the next stage of the selection process to the degree Bachelor of Aviation – ATP. Candidates scoring "BELOW AVERAGE" on the ADAPT test may be invited to proceed to the next stage of the selection process at Massey University. Candidates scoring "AVERAGE" or above on the ADAPT test will proceed to the next stage of the selection process at Massey University.

To ensure students can have a reasonable expectation of satisfactorily completing this degree, they must meet selection requirements including:

- > Pilot aptitude test
- > A selection interview
- > Writing tasks, including English, math, physics, and navigation assessments.

Candidates must also obtain a New Zealand Class One Medical Certificate in accordance with the New Zealand Civil Aviation Authority medical requirements prior to commencing this degree.

Interviews for the Semester One intake for 2016 will be held 3-9 December 2015. Interviews for Semester Two 2016 will be held in early June 2016. Prospective students will be advised of the dates.

Students invited to appear for Stage Two of the selection process must appear in person at the Massey University campus in Palmerston North, New Zealand. It is preferred that students have passed maths (calculus), and physics at NCEA Level 3/Year 13 level or equivalent.



OTHER REQUIREMENTS

ENGLISH LANGUAGE COMMUNICATION

As per the CAA Advisory Circular AC61-2 Rev 4 "Pilot Licences and Ratings—Student Pilots" 14 February 2012, Rule 61.105(a)(3) requires a person to have sufficient ability in reading, speaking, understanding and communicating in the English language to enable them to adequately carry out the responsibilities of a pilot-in-command of an aircraft before a flight instructor can authorise the person to fly solo as a student pilot.

Students must have gained the literacy credits at NCEA Level 2 required for University Entrance. Furthermore although NCEA Level 3 English is not compulsory for this degree, well-developed communication skills – both written and verbal – are most important for a professional pilot. Massey University therefore requires that prospective domestic students successfully attain at least 14 Level 3 credits (or equivalent) in a language-rich subject (such as, but not limited to, English, history, art history, geography, biology). This will enable students to advance their critical reading and writing skills in preparation for undertaking university-level assignments.

International students must gain an IELTS score of 6.5 with no band lower than 6.0 – or pass an alternative approved English language test to an equivalent standard.

FIT AND PROPER PERSON

In simple terms, anyone holding or applying for an aviation document, or anyone who has control over the exercise of the privileges of an aviation document, must satisfy the Director that they are a fit and proper person to do so. This is a requirement of the Civil Aviation Act 1990, Section 9. An aviation document includes, for example, a licence, a rating, or an air operator certificate.

This process must be completed within six weeks of commencing your degree. Your instructor will advise you as to when to commence your application. You will be required to apply for:

- > An up-to-date Criminal Convictions Report showing:
- > A conviction-free period of at least three years prior to the date on which training will commence; and
- > No more than one conviction for drink driving.
- > An up-to-date Demerit Points and Suspension History Report (Traffic Offence History) showing a maximum of 65 demerit points* (or equivalent for international students) within the three years immediately prior to the date on which training will commence.

* Equivalent to two minor speeding offences (20 demerit points each) and a restricted driver carrying an unauthorised passenger (25 demerit points)
NOTE: A conviction for drink driving (or other serious offence or serial offending) while you are on the course breaches the fit and proper person criteria, and your training may be terminated.

APPLICATION DEADLINES FOR THE BACHELOR OF AVIATION, AIR TRANSPORT PILOT PROGRAMME

Semester One intake: 1 November 2015

Semester Two intake: 1 May 2016

If you are interested in applying for this programme, please contact Massey University on 0800 MASSEY (627 739) well before 1 November 2015 or 1 May 2016 (for Semester Two) for information on how to meet these special requirements.

ENROLMENT FOR THE FIRST TIME IN JANUARY 2016

(Please note the early starting date)

Students enrolling for the first time in January 2016 in the Air Transport Pilot major will be enrolled in the following compulsory papers:

PART I

SEMESTER ONE – WEDNESDAY 20 JANUARY 2016

NOTE: Semester One starts on Wednesday 20 January 2016, an earlier start date than the normal university semester.

- 190.104 Principles of Navigation I
- 190.107 Human Performance
- 190.110 Introduction to Flying
- 190.112 Introduction to Flying II
- 190.118 Aeroscience I

PART II

SEMESTER TWO – MONDAY 13 JULY 2016

- 190.119 Aeroscience II
- 190.120 Aeronautical Legislation
- 190.121 Aeronautical Meteorology
- 190.123 Aircraft Systems
- 190.124 Aircraft Performance
- 190.154 Principles of Navigation II

NOTE: At the time of printing, this degree is subject to change, with any such changes subject to approval by the Committee for University Academic Programmes. Please contact Massey for more information.

PATHWAYS TO POSTGRADUATE STUDY

ENROL IN...



KIRAN PARBHU AND BEN RAE – BACHELOR OF AVIATION ATP

BACHELOR OF AVIATION – (ATP) STRUCTURE

YEAR 1	YEAR 2	YEAR 3 (PART IV: 120 CREDITS)		
Part I: 90 credits and Part II: 90 credits	Part III: 180 credits	EITHER	OR	OR
		Flight Instructor Course (by selection only)	Aviation Business Management	Aviation Human Factors
190.104 Principles of Navigation (15 credits)	190.201 Aircraft Systems II (Part I) (15 credits)	190.301 Flight Instruction Human Factors (15 credits)	> Elective papers to the value of 120 credits > At least 75 credits must be at 300 level > Elective papers may be chosen from the following series: 190.xxx Aviation 110.xxx Accountancy 114.xxx Human Resource Management 115.xxx Business 125.xxx Finance 152.xxx Management 153.xxx Dispute Resolution 155.xxx Business Law 156.xxx Marketing 157.xxx Information Systems 178.xxx Economics 219.xxx Business Communication. NOTE: Many potential combinations of papers in Aviation Business Management option may not be possible in one year of study because of prerequisite requirements.	190.313 Advanced Aviation Human Factors (15 credits)
190.107 Human Performance (15 credits)	190.203 Air Traffic Control/ Aviation Law (15 credits)	An elective paper of the student's choice (15 credits)		
190.110 Introduction to Flying (30 credits)	190.204 Flight Planning and Advanced Navigation (Part I) (15 credits)	190.315 Flight Instruction Fundamentals (15 credits)		
	190.205 Crew Resource Management (15 credits)	190.317 Evaluation Methods in Aviation (15 credits)		
190.112 Introduction to Flying II (15 credits)	190.206 Aerodynamics (15 credits)	190.335 Flight Instruction (30 credits)		
190.118 Aeroscience (15 credits)	190.221 Advanced Support Studies (15 credits)			
190.119 Aeroscience II (15 credits)	190.237 Air Transport Cockpit Systems (15 credits)	AND EITHER 190.297 Aerobatic Aircraft Handling for Flight Instructors (30 credits) OR 190.298 Advanced Turbo-Prop and Jet Handling (30 credits)		
190.120 Aeronautical Legislation (15 credits)	190.251 Aircraft Systems (Part II) (15 credits)			
190.121 Aeronautical Meteorology (15 credits)	190.254 Flight Planning and Adv Nav (Part II) (15 credits)			
190.123 Aircraft Systems (15 credits)	190.256 Aerodynamics (Part II) (15 credits)			
190.124 Aircraft Performance (15 credits)	190.288 Advanced Aircraft Handling (30 credits)			
190.154 Principles of Navigation II (15 credits)				

BACHELOR OF AVIATION MANAGEMENT

BAvMan

DURATION
3 YEARS FULL-TIME

AVAILABLE
MANAWATŪ

WE FOCUS ON HUMAN FACTORS AND AVIATION MANAGEMENT COMPETENCIES.

It is for candidates entering the aviation industry or for those already employed in aviation (with or without professional licence) but with no previous tertiary qualifications.

The BAvMan evolved from the aviation management major in the Bachelor of Aviation and was first introduced in 2002.

QUALIFICATION OVERVIEW

With your Bachelor of Aviation Management you'll have a specialised aviation qualification preparing you for a management role within an organisation. If you're already employed in the industry this programme is a great way to qualify yourself for career advancement. Some professional aviation qualifications may be eligible for cross-credit into the degree.

STRUCTURE

Candidates for the Degree of Bachelor of Aviation Management shall follow a flexible course of study, which shall consist of papers totalling at least 360 credits, comprising:

- (a) Not more than 135 credits at 100 level
- (b) At least 75 credits at 300 level.

And including:

- (c) At least 270 credits from the Schedule to the Degree including at least 45 credits at 300 level
- (d) All compulsory papers in the Schedule to the Degree
- (e) Up to 90 credits from the schedules of other undergraduate degrees.

DELIVERY

Most papers for the Bachelor of Aviation Management are available internally at the Manawātū campus in Palmerston North or by distance learning through the Singapore Aviation Academy in conjunction with Massey University. All papers for the degree are offered via distance learning in New Zealand.

REQUIREMENTS

SCHEDULE A: COMPULSORY PAPERS (150 CREDITS)

Code	Title	Requirements
190.109	Aviation Studies	
190.115	Introduction to Aeronautics	R 190.110 or 190.111 or CPL (A or H)
190.116	Introduction to Management in Aviation	
190.117	Introduction to Human Factors	R 190.107
190.216	Aviation Human Factors	P 190.107 or 190.117; R 190.205
190.220	Managing Aviation Systems	P Part II or P 190.116
190.224	Environmental Impacts of Aviation	P any 100-level paper
190.225	Introduction to Research Methods in Aviation	P any 190.1xx
190.327	Managing Cultures in Aviation	P 190.205 or 190.216
190.340	Contemporary Issues in Aviation Security	P any 200-level paper

SCHEDULE B: AVIATION MANAGEMENT PAPERS (120 CREDITS)

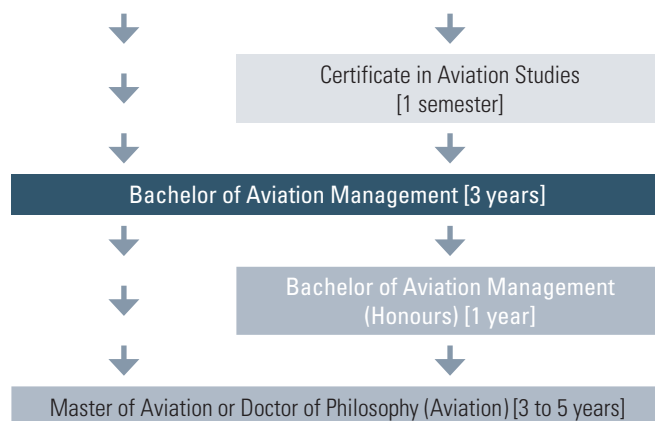
190.104	Principles of Navigation I*	P Entry ATP; C 190.110,
190.110	Introduction to Flying* (30 credits)	P Entry ATP or PHOS; C 190.104
190.112	Introduction to Flying II*	P Entry ATP and 190.110, C 190.104
190.211	Aviation Strategic Management	P any 100-level paper
190.215	Heavy Aeroplane Performance	P 190.102 or 190.110 or 190.111 or CPL; R 190.202 or 190.235 or 190.237 or 90.252

190.217	Instruction and Learning in Aviation	P 190.107 or 190.109 or 190.117 or PHOS
190.222	Basic Air Safety Investigation	P 190.115 or 190.110 or 190.111 or CPL (A or H)
190.240	Air Power	P any 100-level paper
190.249	Aircraft Maintenance Management (30 credits)	190.220 or 190.244 or AMEL
190.299	Aviation Special Topic	PHOS; R 190.291 and 190.292
190.302	Check and Training for Airlines	P 190.235 or 190.237 or ATPL
190.306	Airline Strategic Management	P 190.211
190.307	Airport Planning	P any 190.2xx paper
190.308	Airport Operational Management	P any 190.2xx paper
190.309	Design of Airways and Air Traffic Systems	P any 190.2xx paper
190.313	Advanced Aviation Human Factors	P 190.205 or 190.216
190.314	Legal Issues in Aviation	P any 190.2xx paper
190.317	Evaluation Methods in Aviation	P 190.217, 190.225 or Part III ATP
190.320	Heavy Aeroplane Performance II	P 190.237 or 190.215 or PHOS
190.321	Air Accident and Incident Investigation	P 190.222 or 190.222
190.328	Aviation Management Practicum	15 credits at 200-level from 190 prefix papers and PHOS
190.398	Special Topic	PHOS; R 190.399
190.399	Aviation Special Topic	PHOS; R 190.398

* This is an integrated paper.

PATHWAYS TO POSTGRADUATE STUDY

ENROL IN...



JESS KLITSCHER – BACHELOR OF AVIATION MANAGEMENT

BACHELOR OF AVIATION MANAGEMENT (HONOURS) BAvMan(Hons)

DURATION

1 YEAR FULL-TIME
OR 3 YEARS PART-TIME

AVAILABLE

MANAWATU

QUALIFICATION OVERVIEW

This is a higher degree for BAvMan graduates wishing to pursue a further academic qualification.

The honours degree involves a further year of study with a combination of taught papers and a submission of supervised research. Graduates who achieve a First Class Honours or Second Class, Division One may be eligible to enrol in the Master of Aviation programme with a thesis or proceed directly to a PhD in Aviation.

ENTRY REQUIREMENTS

You will need a B grade average over your second and third year papers in the BAvMan degree, or an equivalent qualification. All applications are approved by the Head of the School of Aviation.

STRUCTURE

Candidates shall follow an approved course of study of 120 credits. The course consists of at least 120 approved credits, including 60 compulsory credits and 60 credits selected from the schedule to the degree of Bachelor of Aviation Management with Honours as follows:

COMPULSORY PAPERS

Code	Title	Prerequisite
190.704 (30 credits)	Research Methods in Aviation	Graduate status plus permission Head of School
190.795 (30 credits)	Research Project	Graduate status plus permission Head of School

Plus 60 credits from the following papers:

Code	Title	Prerequisite
190.701 (30 credits)	Human Factors for Professional Aviation	Graduate status plus Permission Head of School
190.703 (30 credits)	Management in Aviation Systems	Graduate status plus permission Head of School

190.720 (30 credits)	Aviation Strategic Management	Graduate status plus permission Head of School
190.721 (30 credits)	Design and Management of Airports	Graduate status plus permission Head of School
190.790 (30 credits)	Special Topic	Graduate status plus permission Head of School
190.791 (30 credits)	Special Topic	Graduate status plus permission Head of School



WARREN DALE - BACHELOR OF AVIATION MANAGEMENT (HONOURS)

CERTIFICATE IN AVIATION STUDIES

CertAvStuds

AVAILABLE
MANAWATŪ
DISTANCE LEARNING

QUALIFICATION OVERVIEW

The Certificate of Aviation Studies is designed for students who want a formal university qualification, but who may not want to undertake a full undergraduate degree programme.

It is ideal for students who wish to pursue a personal interest in aviation. This qualification will also appeal to those people in a mid-career role within the aviation industry who may wish to complete a tertiary professional development qualification.

Graduates may subsequently staircase the Certificate in Aviation Studies to a full undergraduate aviation degree if desired.

Admission to the Certificate in Aviation Studies requires that students meet the University admission requirements as specified.

The Certificate in Aviation Studies is taught at Massey's Manawātū campus. All papers may also be taken via distance learning.

Candidates for the Certificate in Aviation Studies follow a flexible course of study, consisting of papers totalling at least 60 credits, including at least 45 credits selected from Part A or Part B of the Schedule to the Bachelor of Aviation Management (refer to the Bachelor of Aviation Management on page 06).

TRANSFER OF CREDIT

A candidate who has completed the requirements for the Certificate in Aviation Studies may apply to transfer the certificate papers towards an undergraduate diploma or degree of the University, provided that any such papers shall comply with the regulations for the diploma or degree in question.

A candidate who has been awarded a Certificate in Aviation Studies may apply to cross-credit up to 15 credits of certificate papers towards an undergraduate degree of the University, provided that such papers shall comply with the regulations for that degree. A candidate who wishes to credit papers totalling more than 15 credits in terms of this regulation will be required to surrender the Certificate in Aviation Studies before transfer of credit will be granted.



GRADUATE DIPLOMA IN AVIATION

GDipAv

DURATION
1 YEAR FULL-TIME

AVAILABLE
MANAWATŪ

QUALIFICATION OVERVIEW

The Graduate Diploma in Aviation is for those already working in the aviation industry who want to expand their knowledge in areas that may enhance their industry experience and opportunities.

The GDipAv has been developed from the Graduate Diploma in Business Studies. Two compulsory papers in aviation management systems and human factors provide the core along with six elective papers – building a solid aviation qualification.

ENTRY REQUIREMENTS

To qualify for entry into this programme you need to hold a relevant undergraduate degree or be able to demonstrate relevant practical, professional or scholarly experience equivalent to that of a graduate. You'll need to satisfy the School of Aviation that you have the background and relevant experience to follow the programme with a reasonable chance of success.

NOTE: Candidates are deemed to have met the prerequisite requirements for the 200-level papers listed in the following schedule when they've been admitted to the programme.

STRUCTURE

You will need to follow an approved course of study of 120 credits in one of the following endorsements as listed in the schedule:

1. AVIATION STUDIES

Compulsory papers:

Code	Title	Prerequisite
190.216	Aviation Human Factors	190.107/117
190.220	Managing Aviation Systems	PART II or 190.116

Plus 90 credits with at least 60 credits at 300-level from the following:

190.211	Aviation Strategic Mgmt	Any 100-level paper
190.215	Heavy Aeroplane Performance I	190.102 or 190.110 or 190.111 or CPL
190.217	Instruction and Learning in Aviation	190.107 or 190.109 or 190.117 or permission Head of School
190.222	Basic Air Safety Investigation	190.115 or 190.110, or 190.111 or CPL(A OR h)
190.224	Environmental Impacts of Aviation	Any 100-level paper
190.225	Introduction to Research Methods in Aviation	Any 190.1xx paper
190.240	Air Power	Any 100-level paper
190.249	Aircraft Maintenance Management (This is a 30-credit paper)	190.220 or 190.244 or AMEL (offered in alternate years – NOT available 2015)
190.302	Check and Training for Airlines	190.202 or ATPL
190.306	Airline Strategic Mgmt	190.211
190.307	Airport Planning	Any 190.2xx paper
190.308	Airport Operational Mgmt	Any 190.2xxx paper
190.309	Design of Airways and Air Traffic Systems	Any 190.2xx paper
190.313	Advanced Aviation Human Factors	190.205 or 190.216
190.314	Legal Issues in Aviation	Any 190.2xx paper
190.317	Evaluation Methods in Aviation	190.217 or 190.225



PHOTO: JESS KLITSCHER (BAvMan)

190.320	Heavy Aeroplane Performance II	190.215
190.321	Advanced Air Safety Investigation	190.122 and 190.2xx paper
190.327	Managing Cultures in Aviation	190.205 or 190.216
190.340	Contemporary Issues in Aviation Security	Any 200-level paper

Compulsory papers:

190.297	Aerobic Aircraft Handling for Flight Instructors	CPL. See note above
190.301	Flight Instruction Human Factors	CPL. See note above
190.315	Flight Instruction Fundamentals I	CPL. See note above
190.317	Evaluation Methods in Aviation	CPL. See note above
190.335	Flight Instruction	CPL. See note above
15 credits at 200 or 300 level from the 190 prefix		

2. FLIGHT INSTRUCTION

NOTE: A Commercial Pilot Licence (Aeroplane) is a prerequisite for this programme. An application to the Flight Instruction Course is required. Please contact the School for details.



MASTER OF AVIATION MAv

DURATION
1 TO 1.5 YEARS FULL-TIME

AVAILABLE
MANAWATU

Massey University's Master of Aviation is now a 180-credit Master's qualification. The 180-credit Master's offers a rigorous programme of learning yet can be achieved in three semesters (one-and-a-half years). You may choose from two pathways: research or professional practice.

RESEARCH PATHWAY

If you choose this pathway your study will include 60 credits of taught papers including a compulsory Research Methods paper. Part Two will incorporate a minimum of 60 credits of research.

PROFESSIONAL PATHWAY

Those wanting a more practice-based qualification which reflects their industry experience should enrol in the Professional Practice option. This option includes two compulsory aviation management papers, elective aviation papers and culminates in a 60-credit 'Professional Practice in Aviation' paper. Students who are already aviation professionals may wish to draw on their current aviation role for the purpose of a case study.

RESEARCH PATHWAY

PART ONE (AT LEAST 60 CREDITS)

Compulsory papers:

Code	Title	Credits
190.704	Research Methods in Aviation	30

Subject papers:

190.701	Human Factors for Professional Aviation	30
190.703	Management in Aviation Systems	30
190.720	Aviation Strategic Management	30
190.790	Special Topic	30

PART TWO (AT LEAST 60 CREDITS)

190.890	Thesis (Part 1)	45	Grad status and PHOS
190.891	Thesis (Part 2)	45	Grad status and PHOS ; C 190.890
190.892	Thesis (Part 1)	60	Grad status and PHOS
190.893	Thesis (Part 2)	60	Grad status and PHOS; C 190.892

190.895	Research Report	60	An approved postgraduate research methods paper as specified in the schedule to the MAv
190.898	Thesis	90	Admission to Part Two of the MAv
190.899	Thesis	120	Grad status and PHOS Admission to Part Two of the MAv
115.894	Research Report (Part 1)	30	An approved postgraduate research methods paper as specified in the schedule to the MBS
115.895	Research Report (Part 2)	30	An approved postgraduate research methods paper as specified in the schedule to the MBS

PROFESSIONAL PATHWAY

PART ONE (120 CREDITS)

Compulsory papers (60 credits):

190.703	Management in Aviation Systems	30	Graduate Status
190.720	Aviation Strategic Management	30	Graduate Status

Subject papers (60 credits):

190.791	Special Topic	30	Graduate Status
190.701	Human Factors for Professional Aviation	30	Graduate Status
190.721	Design and Management of Airports	30	Graduate Status
190.790	Special Topic	30	Graduate Status

PART TWO (60 CREDITS)

190.894	Professional Practice in Aviation	60	Admission to Part Two of the Master of Aviation
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DOCTOR OF PHILOSOPHY (AVIATION) PhD

DURATION

3 YEARS FULL-TIME
OR 6 YEARS PART-TIME

AVAILABLE
MANAWATU

THE ULTIMATE ACHIEVEMENT IN AVIATION AT TERTIARY LEVEL IS THE DOCTOR OF PHILOSOPHY – AVIATION.

The Doctor of Philosophy (PhD) is the highest degree available in the Massey Business School. It is a prestigious research qualification which is essential for a career in any research institution or university. The School of Aviation is active in research in several areas, including flight training devices, transference of learning, risk taking, accident legislation, call-sign confusion, crew resource management, and the effect of sleep deprivation.

The School's research outcomes contribute to enhancing safety and efficiency, and improving the body of aviation knowledge in this dynamic industry.

The School also has an active programme of postgraduate research, with a number of students currently enrolled. Postgraduate students are encouraged to disseminate their work by publishing it in relevant peer-reviewed journals or by presenting it at conferences.

University scholarships may also be available for students wishing to undertake research at postgraduate level.

ENTRY REQUIREMENTS

The doctoral programme is open to academically-able students who have achieved First Class Honours or Distinction or Second Class Honours (Division I) in a Masters or Bachelor (Honours) programme. A PhD is completed by thesis and is expected to take three years of full-time study or up to six years of part-time study.

APPLYING TO ENROL IN THE DOCTORAL PROGRAMME

When applying to enrol in an aviation doctoral programme the University requires that you submit a research proposal.

Your initial research proposal needs to include sufficient information for your prospective supervisor to be able to assess your current knowledge around your research topic. It will also be used by the School of Aviation to gauge whether there is a current staff member within the School who is able to supervise your research.

Students are enrolled provisionally in the first year of PhD study, during which time your research proposal is developed. You are then confirmed into the doctoral degree.

ENROLLING IN THE DOCTORAL PROGRAMME

You cannot enrol directly into a doctoral programme – you need to apply to the Doctoral Research Committee (DRC) for admission. If you're an international candidate you must apply through the International Office. If you're a New Zealand citizen or hold New Zealand permanent residency, you can download a DRC 2 Application Form for Provisional Registration as a PhD candidate, which can be found on the Graduate Research School (GRS) website: www.massey.ac.nz/?ga4954609l



DR SAVERN REWETI – PHD AVIATION

Massey's fleet includes 12 Diamond DA40 single-engine trainers (pictured), and two Diamond DA42 twin-engine trainers.





CONTACT MASSEY FOR MORE INFORMATION

MASSEY.AC.NZ

Our website is full of useful information covering everything you need to know – from what each campus has to offer, their departments and programmes, scholarships, events, accommodation and plenty more.

And don't forget to bookmark the Massey site – it's constantly being updated with the latest information.

ENGINE.AC.NZ

If you're unsure what you'd like to study, head to engine.ac.nz. There are stories of inspiring people who have great careers, and have an impact on New Zealand and the world. They might just give you the inspiration you've been looking for! You can find out how to follow in their footsteps, what you'd need to study and what being at university will actually be like. You'll find out how you can join the 'Engine of the new New Zealand' and have a real impact on New Zealand, and the world!

CALL OUR CONTACT CENTRE

If you'd rather speak to a real person feel free to give our friendly contact centre staff a call on **0800 MASSEY**.

Or, if you'd like to actually see a real person, drop in to our campuses in Auckland, Palmerston North or Wellington.

STUDENT ADVISERS

We have heaps of people available to answer any questions you may have about studying with us. We understand it's a big decision. To speak to someone, or to get someone to visit your school or workplace:

Phone: **0800 MASSEY**

Text: **5222**

Email: academicadvice@massey.ac.nz

Dedicated international, Māori and Pasifika student advisers are also available.

'YOUR GUIDE TO' BOOKS

We produce a range of 'Your Guide To' books grouped around particular interest areas. They provide details of entry requirements, majors, course structures and career outcomes covering all our programmes.

To obtain copies of 'Your Guide to' books:

Download them at publications.massey.ac.nz

Phone: **0800 MASSEY**

Text: **5222**

Email: contact@massey.ac.nz

EVENTS

Another great way to see for yourself what life and study is like at Massey is at one of our open days. You'll learn about Massey's programmes, career opportunities, accommodation options, campus facilities, and get to talk to lecturers and current students.

Manawatū Open Day: 5 August 2015

Auckland Open Day: 15 August

Wellington Open Day: 28 August

We also have stands at various career and tertiary education expos held all over New Zealand (and beyond).

If you want to know where you'll see us next, call **0800 MASSEY**, text **5222**, email contact@massey.ac.nz or visit events.massey.ac.nz

FACEBOOK.COM/ MASSEYUNIVERSITY

We have our own Facebook page which you can join to keep up to date with what is happening at Massey before you come to study with us.

TWITTER

You can also follow us on Twitter

[@MasseyUni](https://twitter.com/MasseyUni)

INSTAGRAM

And follow us on Instagram

[@MasseyUni](https://www.instagram.com/MasseyUni)

YOUTUBE

There are heaps of videos to check out on our channel. Go to youtube.com/masseyuniversity

INTERNATIONAL STUDENTS

We welcome more than 3,800 International Students from 100 countries each year. The International Office is the first point of contact for prospective students. If you are considering studying at Massey we welcome your enquiry and look forward to helping you join us.

FOR MORE INFORMATION

Phone: **+64 6 350 5701**

Email: international@massey.ac.nz

Web: international.massey.ac.nz

YOUR NEXT STEP

VISIT US ON CAMPUS

13-14 MAY

AUCKLAND CAMPUS INFORMATION EVENINGS

10 JUNE

WELLINGTON CAMPUS INFORMATION EVENING

5 AUGUST

MANAWATŪ OPEN DAY

15 AUGUST

AUCKLAND OPEN DAY

28 AUGUST

WELLINGTON OPEN DAY

21 OCTOBER

WELLINGTON CAMPUS INFORMATION EVENING



0800 MASSEY (627 739)



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