



**Helicopter
Flight Training**

2013-14

Diploma in Aviation- Helicopter Pilot Courses

70% of the Course Fee is available for Student Loan Funding+



*Your flying career
starts here...*



Helicopter Flight Training

Welcome to Helicopter Flight Training

Helicopter Flight Training (HFT) Ltd specialise in training Commercial Helicopter Pilots. HFT is approved by the New Zealand Government, Civil Aviation Authority as an approved Training Organisation, CAA Rules Part 141.

HFT is an accredited New Zealand Qualifications Authority NZQA, Private Training Establishment (PTE). With these approvals and accreditations, the Tertiary Education Commission **has approved domestic HFT student loan funding+** towards the Diploma in Aviation qualification – this includes the Commercial Pilot Licence (CPL).

Please read through the details in this prospectus. It has all the information you will need to start your training and qualify as a Commercial Helicopter Pilot (CPL).

HFT is recognised as the leading provider of professional Helicopter Pilot training in New Zealand and Australasia. We offer high value courses at competitive rates. Our training syllabus and standards have been developed to achieve the best result – for you. We provide a step-by-step approach to teaching and we build on the basic helicopter pilot skills to the advanced capabilities a Commercial pilot will need.

When you commit to this career qualification with HFT we work with you on a *Career Pathway Plan* with your goals in sight. Over time we have created opportunities for graduates to take towards gaining the right experience that leads to employment.

It starts here. So prepare yourself for a challenge that will provide you with a career unlike any other. We wish you great success in your aviation future.

Phillip Maquire

Chief Executive
HEICOPTER FLIGHT TRAINING



A BELL 212 twin-engine helicopter, as flown by an HFT graduate



HFT Training helicopter S CBI 300 on a flight near Auckland

NZ Diploma in Aviation – General Aviation Strand Helicopter

This is the CPL course offered by HFT, with the Ministry of Education – Studylink student loan funding.

The NZ National Diploma in Aviation - Helicopter

This Helicopter course is a Level 5 and 6 Qualification. It is 77 weeks duration. The course includes training towards:

- Private Pilot Licence and Basic Gas Turbine theory.
- Commercial Pilot Licence.

It has additional elective training modules that build skills and career pathway options.

Elective training modules

- Dangerous Goods – aviation safe handling
- Maintenance Control – CAA approved programme
- Frost Protection Flight Operations – night safety
- Mobile Helipad-trolley Operation -safety procedures
- External Load Long-line Training – advanced training
- Aircraft Engineering Planning – management skills
- Servicing a Helicopter – maintenance skills
- Fire Fighting & Fire Bucket Use – operational skills
- HUET – operational overwater training procedures

These elective courses are designed for students with a career pathway plan in General Aviation, such as charter flying services, tourism, survey, external-load, air ambulance, photography, construction or training.



Helicopter Flight Training

How it works and what you need -



Pre-flight briefings are an important part of all training flights

Enrolment Prerequisites – How to get started

Minimum Age:

All applicants must be at least 17 years of age to be considered for enrolment and 18 years to hold a Commercial Pilot Licence (CPL). There is no maximum age limit.

Medical Examination:

All Pilots must meet strict medical examination requirements. NZCAA has authorised Doctors in NZ to carry out the NZCAA Class 1 Pilot Medical Examination. Students must have issued a CAA Class 1 medical certificate, before they are eligible to commence their training. Visit the CAA website for details: www.caa.govt.nz/medical/medical_home.htm



A BK-117 twin-engine multi-role helicopter flown by a NZ CPL Graduate in PNG on an exploration project. This helicopter is capable of carrying 9 passengers or an external load of 1200 kgs.

Educational requirements:

- Applicants must have achieved 12 credits or better at Level 2 NCEA and have good passes in English, Maths & Science.
- Applicants educated overseas or before NCEA will require passes in sixth or seventh form English, Maths and Science or the equivalent are applicable.
- Applicants that do not meet the minimum standard will be required to pass two PPL exams or specialised pilot aptitude tests

English:

- A good standard of English is required. You must be able to read, speak & write in English.
- Where English is a second language a minimum level is IELTS 5.5 or equivalent. This may increase to level 6.0

Fit and Proper Person Checks:

NZCAA require pilots to meet certain 'Fit and Proper' standards. This refers to the persons back ground as a good citizen. Course applicants will need to meet these requirements & produce:

- A character written reference
- Two verbal referees
- Produce a Criminal Record History or equivalent from the Ministry of Justice/Police or other agency
- Have a good driving record if holding a drivers licence. This will assist with obtaining a clear Offence History Report from Land Transport Agency in NZ.

Recognition of Prior Learning

Students, who have prior learning such as international qualifications, a Degree or previous training or credentials, may assist an application in acceptance on to a course. Previous Aviation examination credits or have flying experience may also help applicants gain a course placement.



Courses and their Duration

All courses are full time. The 2013 **Diploma in Aviation CPL Helicopter** course is 78 weeks, with 10 weeks leave. There are other qualifications available within the NZ Diploma in Aviation. These are **Flight Instructor Rating, Instrument Rating and Agriculture Rating.**



Helicopter Flight Training

NZ Diploma in Aviation – Helicopter

Year 1

The first year of the course takes a student with no aviation knowledge or skills and provides the academic and practical training required to qualify as a Commercial Pilot. It meets all the requirements of the CAA CPL H.

Aviation studies are the first stage of training towards a professional career. The first 4 months includes the ground theory subjects within the syllabus for both the PPL & CPL.

Students will then start the practical training. You will initially train for the Private Pilot Licence PPL. This licence will allow a pilot to carry passengers on a non-commercial basis. It is used as the first qualification towards the CPL. To reach the PPL level takes 6-8 months. The PPL builds the student pilots confidence & ability to fly the helicopter on their own. The responsibility of being the pilot in command is reinforced at PPL level.

Once the student has their PPL, they commence the training for the CPL. You will study the theory of helicopter aviation and conduct advanced practical training. This phase develops the pilot skills and judgement to perform all the duties required as a professional pilot. This takes 6 months and is a demanding program, with many challenges, such as mountain flying, where you will learn techniques to fly a helicopter in mountainous terrain, confined helipad areas and slope and ridge landings.

A feature of the training is the navigation cross-country flights where you will learn pilot navigation, map reading, plotting flight plan courses, understanding and use of weather forecasts, flight in controlled airspace (with an air traffic control tower) calculation of fuel requirements and many other techniques a pilot uses when flying both long and short distance flights.

Course break, with 10 weeks 'Summer School'



A Helicopter simulator device is used for advanced training

Year 2

Year 2 of the **Diploma in Aviation** introduces the advanced training elements of flying a helicopter. This will include the introduction of flying an external cargo load, carried under the helicopter on a long-line. This is a career pathway skill that is taught only in New Zealand as a CAA compulsory requirement for all Commercial Pilots.

You will begin navigation cross country flights at night and the capability of flying the helicopter by sole reference to the flight instruments (instrument flying) with no visual reference from outside.

The introduction of aircraft servicing is a valuable asset for any commercial helicopter pilot. There are three sections within this phase of training, planning maintenance, servicing a helicopter and ground running operations. At the completion of this training you will have a detailed understanding of the importance of helicopter maintenance practices and procedures.

At the conclusion of this final stage of training you will have completed all the requirements for preparation to undertake the CAA Flight test. This is a flight with a CAA approved pilot who you will be required to undertake a short review of the requirements and privileges of a CPL. Following is a flight of approximately one hour, where the student is required to successfully demonstrate all the practical and operational manoeuvres required in the NZ CAA syllabus for Commercial Pilot standard. The pilot is then issued with a CPL- H.



A BELL 407 flown by a HFT Graduate in Canada



Helicopter Flight Training

Theory Course Subjects and Exams

The theory subjects are taught each day. HFT provide lectures using the text book study material and HFT theory manuals. This part of the course is 12 weeks and involves a steady learning phase along with practice exams in each of the subjects.

Aviation Services Ltd provides the final exams. These are based on the CAA syllabus and are multi-choice. The time length of each exam will depend on the subject, from 1 to 3 hours.

Private, Commercial, & Airline Pilot Helicopter Licence Subjects

- Meteorology
- Aviation Law
- Human Factors
- Principles of Flight
- Performance and Loading
- Flight Radiotelephony (PPL)
- English Proficiency Test
- Aerodynamics and Aircraft Systems
- Aircraft Technical Knowledge
- Navigation and Flight Planning

Flight Training Programme – Practical

The practical flight training consists of a unique system of flight preparation from the HFT *Student Study Guide*, pre-flight briefings and a system of HFT *Flight Cards*. Each flight has a specific objective, that ensures progress and understanding are measured and evaluated. Post flight de-briefing allows a thorough understanding by the student of the lesson, what was learnt and the achievements made.

The flight training is made up of a syllabus that meets the CAA requirements. It is a comprehensive use of hands-on skills with the development of the attributes a professional pilot will use during their career.

The HFT practical flight training is made up of small understandable steps that build the capabilities of the student pilot. Our Instructors take the time to explain and demonstrate, during every flight, the details you will need to know. During each phase of your training, we work with you to develop your confidence and capabilities.

The flight training programme consists of:

- ✓ Flight Training of 150 hours of Helicopter Flying
- ✓ 75 hours Dual (with an Instructor) - minimum
- ✓ 10 hours Dual Cross Country Navigation Training - minimum
- ✓ 10 hours Solo Cross Country Navigation – minimum
- ✓ 10 hours Dual Mountain Flying Training - minimum
- ✓ 10 hours External Load and 'Long-line' training – minimum
- ✓ 10 hours Night Flying Operational Training
- ✓ 10 hours Instrument Flying Training



SC300 CBi Instrument panel illuminated for night flying



BELL 407 based in PNG flown by a NZ CPL graduate



Helicopter Flight Training

The HFT application Process – how to apply

HFT uses selection criteria for all applicants. There are six (6) steps in this process. Applicants can take the HFT on-line Pilot evaluator test at anytime.

Step One: Complete the online HFT 'Pilot Evaluator': www.hft.school.nz/pilote/

Step Two: Undertake the **COMPASS** computer based, 2 hour test. This provides tasks on, memory, reaction, coordination, reasoning, and mathematics. A psychometric evaluation is included within the tests. A \$ 250 fee is payable to complete the **COMPASS** evaluation.

Step Three: Attend the HFT **Pilot Selection Day**. This is conducted over a full day and consists of various skills based tests, a psychometric evaluation, a teamwork based exercise and a panel interview. No cost.

Step Four: Take a 'hands-on' 30 minute helicopter trial flight. Experience the training helicopter and the controls. This has a cost \$299. A short briefing is given prior to the flight and you will be given a de-brief on your first lesson. This flight will be credited to your training hours.

Step Five: Complete a **200 word essay** on: 'why you want to become a Helicopter Pilot'. You should consider your future aviation career goals.

Step Six: Complete the **CAA class 1 Medical examination**.

Successful candidates will be provided assistance with their application for the Studylink student loan.

All candidates are subject to HFT final acceptance. Once approved, applicants may then apply to join a course.

Withdrawal, Refunds & Exit Points policy

There is a set policy for withdrawing and removal from the course. Some examples are:

- the failure to pass exams,
- the inability to achieve certain pilot competency levels,
- unacceptable conduct. These policies are those used by the Ministry of Education.

Holidays

Helicopter Flight Training is closed on some public holidays. At least (10) ten weeks leave period will be programmed during the course. More often, there are up to three holiday's breaks over the duration of the course.

Course Fees and payment schedule

New Zealand in Diploma in Aviation – Helicopter

Year 1

Ground Theory + PPL + training towards CPL (H) \$ 52,000*

- includes up to 80 hours flight time

***A Studylink student loan is available of \$35,000 in Year 1.**

New Zealand in Diploma in Aviation – Helicopter

Year 2

Night and Instrument Flying + CPL Training (H) \$ 47,000*

- includes 72 hours flight time

***A Studylink student loan is available of \$35,000 in Year 2.**

The full fee for the Diploma in Aviation is: \$99,000 inc GST*

All fees are paid into a Public Trust Account. This provides security of the student's fees for the duration of the course. Course fees are paid monthly to HFT from this account. The maximum Aviation student loan is \$35,000 per EFTS/year. PLEASE NOTE: the difference between the student loan amount of **\$70,000** and the full fee of **\$99,000 is \$29,000. This amount will need to be paid into the Public Trust Account by the student.** No student can be accepted on to the course until the course fees are paid. Visit the following for details: www.publictrust.co.nz/fee-protect/information-for-students www.studylink.govt.nz/financing-study/student-loan/

Course Fees includes

The following is included in the Diploma in Aviation course costs.

- Helicopter Flight Training Hours
- Simulator Training Device hours
- Examinations fees - Excluding re-sits
- Maps, text books, navigation computer, ruler, protractor
- Flight test fees for PPL (H) and CPL (H) excluding re-sits
- Classroom theory instruction.

The following is NOT included in the course fee:

- Medical Certificate Issue and any annual renewals
- Medical and travel insurance
- Re-sitting of theory and practical Flight Test (if not passed on the first attempt)
- Flight Test Examiner's travel expenses for any re-Test.
- English language tuition if required
- Student accommodation, travel and airfares
- Travel to and from training facility daily
- Stationery, pens and calculators
- Pilots logbook
- Pilot uniform and safety flying overalls, safety boots
- Monthly fuel surcharge – if required based on high fuel prices

Prices subject to change & are current at time of publication. September 14 2012



Helicopter Flight Training

Other training courses

Additional training programs are offered by HFT. These consist of specific pilot operating capabilities and are within the Instrument Rating qualification.

From aviation accident research, one of the best safety devices a helicopter can have – is a well trained pilot. The study of Human Factors and how pilots need to develop professional disciplines and safe operating procedures is covered in detail. This is then practised with two pilots operating as a ‘crew’ in the training simulator and then in the actual helicopter.

Significant safety improvements have been realised by the use of ‘Two Pilot tasking’ where pilots share the process of safely flying the helicopter. Scenario based flights are used to create challenging situations.

Our *Crew Resource Management* - CRM training is another module within the IFR qualification. CRM refers to both complex helicopters that need two pilots to operate and for day-to-day normal VFR flights. The course covers the correct pilot and crew techniques used to ensure safety is achieved in all operations.

Helicopter Underwater Emergency Training – H.U.E.T.

This training is provided to demonstrate the risks and safety procedures for Helicopter operations over water and the Safety and Emergency procedures required by pilots to apply when flying over water. In the event of a ditching, this training provides pilots with the escape procedures and drills to safely exit crew and passengers from the helicopter.



HUET Training facilities Auckland

Facilities

Helicopter Flight Training Ltd is based at Ardmore Airport, which is New Zealand’s busiest general aviation Airport. Mercer Airfield which is 40km south is also used for training. Students must plan on travelling to Mercer Airfield during their training at their own expense.

The Ardmore base Hangar complex includes, lecture rooms, flight planning and operations area, briefing rooms, maintenance facilities and offices, lunch room and our administration office.

The training school provides students with a learning environment within a busy airport. Student pilots will experience the same situations while training that they will work in, once they graduate.

Helicopter Fleet

HFT operates a full time fleet of Sikorsky 300Cbi training Helicopters.

The Sikorsky/Schweizer 300 series Helicopter has been specifically designed for Pilot Training and is used worldwide by many training schools. It has achieved over 18 million flight hours globally since first manufactured in the early 1960’s. It is still in production today.

Instructor Ratio

Our student numbers vary between each course. Theory subjects are delivered by Professional Flight Instructors. ‘One-on-one’ tutoring is also provided. Our average Instructor to student ratio is 1:4

Jobs Opportunities

HFT suggest that candidates research the Helicopter Industry thoroughly, before embarking on the application and enrolment process.

Jobs for newly qualified Commercial Pilots are often difficult to obtain. Initially a ground based role may be available working within an aviation company. It may take considerable time to get a flying role. This may be a part-time or a seasonal pilot position.

HFT recommends prospective students contact several Helicopter Operators, as part of their research, to ascertain what job opportunities are likely on completion of their qualification.

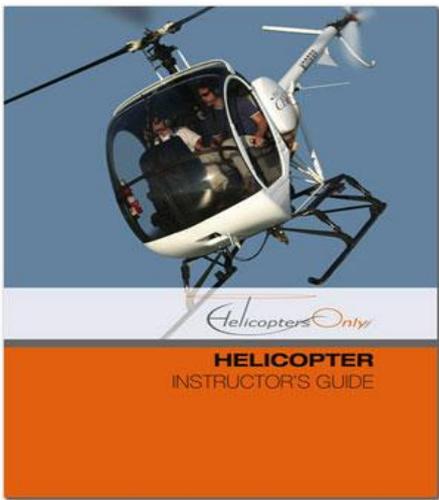


Helicopter Flight Training

Career Pathways

New Zealand trained Pilots have found career opportunities in a wide range of helicopter roles, such as Agriculture, Tourism, Corporate passenger services, Oil and Gas offshore support, Mineral Exploration, Fire Fighting, Police, Pipeline/Power-line patrols, Heavy-lift & construction, Charters services and Flight Instructor. Typically it takes several years and hundreds of hours flying experience to achieve a full time flying position.

HFT provides a Career Pathways network for successful graduates to gain work experience, part-time employment and internships. There are opportunities each year for graduates to take the career pathways opportunities. We recommend that all candidates research their career goals. HFT is able to provide support in most helicopter sectors.



The Flight Instructor qualification often enhances employment opportunities

Job opportunities Instructing work experience

Pilots that graduate as a qualified Flight Instructor may be offered employment at HFT as a junior instructor. This provides the graduate pilot with an additional 100 hours flying experience. The graduate pilot instructor will be supervised for up to 100 hours flying. This is usually 3-6 months employment.



Pilots that Graduate with the IFR qualification, may be offered employment as a co-pilot on an Air Ambulance helicopter for a period of 6-12 months.

Recognition of the New Zealand CPL H

The NZ CPL (H) is highly regarded worldwide. The license meets the International Civil Aviation Organisation (ICAO) standards. NZ CAA is a contracting state to the ICAO convention and as such many other countries recognise the NZCAA CPL (H).

Financial Considerations

Before embarking on a full time two year Diploma course, it is important that all applicants consider how they will support themselves financially for the duration of their course.

Budgeting for living and extra costs

It is recommended that all applicants complete a budget before enrolling. Items that need to be considered are costs such as rent, groceries, personal items and travel expenses (such as getting to and from Training each day).

Accommodation

HFT have a number of private homes and 'Home Stay' close to Ardmore Airport that offer family stay, accommodation to students. The rates range from \$120 to \$240 per week. Some students may wish to share accommodation. Townships close to Ardmore Airport are Drury, Papakura, Takanini, Pahurehure, Opaheke, Conifer Grove and Clevedon. HFT are able to assist with your accommodation needs.

Summary

HFT trust that this prospectus has provided you with the information you require. The steps you take towards a career as a Helicopter Pilot are important. We know, because we all started where you are. Every student graduate at HFT is part of our success.

The Diploma in Aviation CPL qualification provides an extremely challenging programme that will require physical and mental commitment. It is demanding and will require you to be able to function under pressure. It is a significant financial commitment. Each candidate should be well prepared for life as a student for the duration of the training.

With the global opportunities for Helicopter Pilots forecast to grow rapidly over the next decade, we consider training now is the best time to start:

- ✓ Are you ready for the challenge?
- ✓ Is this your career?
- ✓ We wish you all the best in the pursuit of your goals.

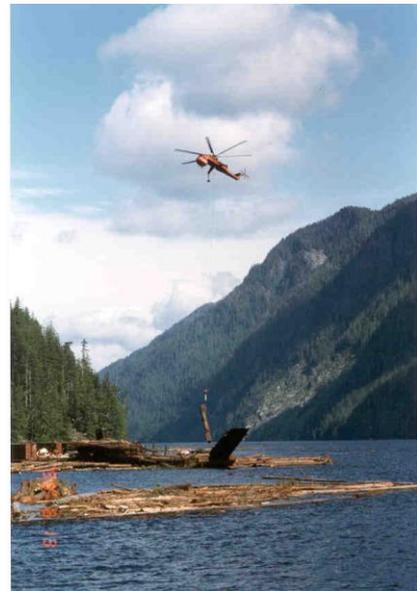
Please contact us for any further information or questions you may have regarding this prospectus.

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Your flying career

Starts here.....



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