

LEARN TO FLY

Microlights



with the

Hawke's Bay & East Coast Aero Club

A microlight pilot's licence allows you to fly as pilot in command of a single or two seat aircraft with a maximum weight of 544kg or less (the definition of an microlight aircraft).



There are three stages to getting a microlight licence.

- A Novice Certificate that allows the student pilot to fly solo in a circuit.
- An Intermediate Certificate follows, that allows the student pilot to fly solo within a 10nm specified radius of the airfield.
- Finally, the Advanced Pilot Certificate, which allows the pilot to fly solo nationally.

To carry a passenger the microlight pilot needs to gain a passenger endorsement.

Microlight aircraft are not approved to fly over built-up areas or to fly at night.

The medical requirement for a microlight pilot is similar to that required for a car drivers licence. Your GP can carry out your medical.

What we have to offer:

- A very friendly sociable Aero Club
- A Tecnam Echo Microlight
- Very competitive flying rates
- Microlight qualified club instructors
- Mid week and weekend lessons
- Open seven days a week

Our on-site facilities for members include modern two storey clubrooms with a lounge bar and viewing deck to give superb views of the runway and all the activities out on the Aerodrome.

Flight Bookings

Flight bookings can be made through the office by phoning

06 879 8466 or by an instructor at the completion of each lesson. Just let the office know a time which suits you, whether you require an instructor or not, and what you would like to do.





As well as learning to fly with us, there are number of social activities which you are more than welcome to participate in.

Some of these include:

- **Club Day**, which is the last Sunday of every month where you can come out and talk to people who are training just like you, or have been trained with us. Enjoy the club day special flying events and the end of day BBQ.
- **Club activities** such as fly-aways to different aerodromes, dawn visits and national competitions which you can get involved in.
- The Aero Club bar is open on Wednesday, Friday and Sunday evenings from 5pm. Every Friday night, dinner is included with the purchase of a raffle ticket for only \$4.
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***For any other information, please feel free to contact the office
06 879 8466, or visit our website www.hbecac.co.nz***

YOUR MICROLIGHT TEAM



**Chief Flying Instructor
Max Dixon**



**Chief Engineer
Cliff Johnston**



Instructors Scott Hickey, Kieran White and Nick Martin



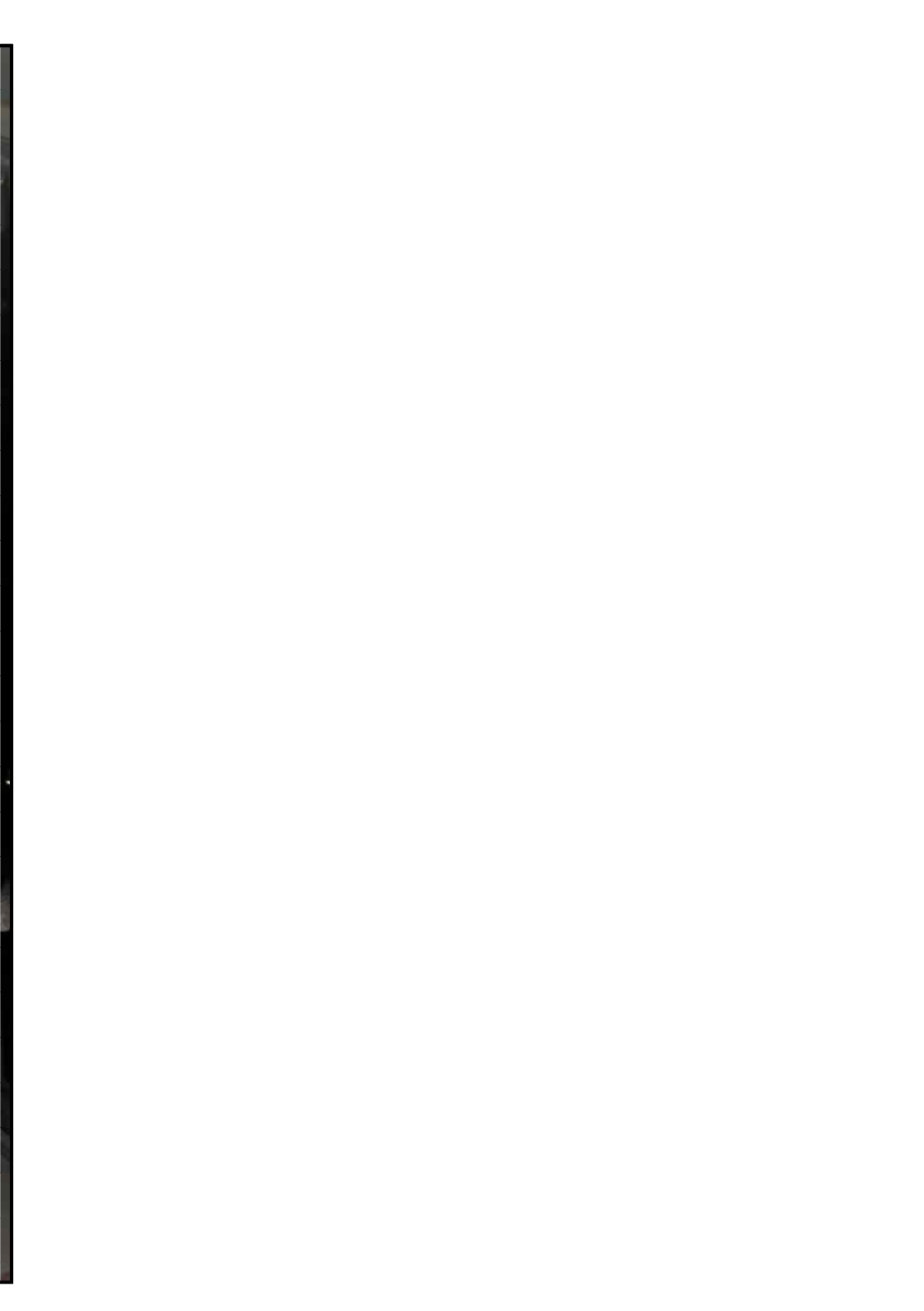


Instructors Mads Slivsgaard and Jerry Chisum



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Requirements for Microlight Pilot Certificates

You can learn at your own pace and at times to suit you. Whether you do it full time, on weekends or in any spare time you get. Most likely you will need a minimum of 45 hours of flying to achieve your Advanced Microlight Certification but this will vary according to the individual.

You will need to:

- Be 16 years of age to fly first solo (you can start dual instruction before this age)
- Pass six theory exams
 - Human Factors*
 - Meteorology*
 - Navigation*
 - Flight Radio*
 - Air Law*
 - Aircraft Technical Knowledge*

NOTE: The Aero Club offers classes for the written subjects.

Getting Started

- Have a trial flight with an instructor. If you are keen then commence your flying training.
- Apply for membership to the club and to RAANZ. The club will help you with this.
- Gain a medical certificate from your GP (required prior to first solo flight).
- Sit exams and pass three levels of Microlight Pilot Certificate at your own pace and before long you will have an Advanced Microlight Pilot Certificate

When you have completed your first solo flight, you can:

- Progress to Intermediate and fly solo up to 10 nautical miles from base.
- The next step is to Advanced Local which enables you to carry passengers up to 50 nautical miles from base.
- Finally, Advanced National which enables you to carry passengers New Zealand wide.
- The passenger rating is available after 45 hours with 35 hours Pilot in Command time.
- Cross credit some of your hours towards a private pilot licence.

Approximate Costs for a Microlight Advanced Certificate

All prices are approximate and subject to change.

Annual Membership Subscription Club	\$135.00
Annual Membership Subscription RAANZ	\$70.00
Approx 45 hours @ \$110 per hour	\$4950.00
Logbook/record book	\$38.00
Medical (required prior to first solo flight) Your Instructor has the forms. (See your own doctor.) Approximately	\$75.00
Exams through RAANZ (6) (See your Instructor)	No charge
Maps and charts (valid for one year, per sheet)	\$16.35
Navigation equipment (if required) (flight computer, ruler, protractor)	\$104.50
Licence issue fee RAANZ	No Charge
Total	\$5388.85

Optional

Theory books available from Pilot Books	\$104.50
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Training Syllabus

The following is a suggested syllabus and sequence for ab initio microlight training.

NOTE:

- Each lesson consists of a briefing on the theoretical aspects of the lesson, flight lesson including instructor demonstration and student practice and debriefing to discuss and consolidate the lesson learned.
- The number of briefings/flights to complete each stage will vary.
- The sequence may be altered to suit the conditions and progress of the student.
- Lessons 1 to 9 are to be carried out **dual**.
- Some lessons (e.g. number 8) will require repetition until the student reaches the required standard.
- Lessons 11 to 17 cover a minimum of 3.5 hours flying.
- There is a considerable period from first solo through to intermediate pilot certificate at 25 hours. It is suggested that a dual lesson be given followed by a solo practice.
- Solo consolidation should be a minimum of two hours in the circuit prior to moving on to advanced exercises.
- Where a pilot has previous flying experience the syllabus can be changed to suit, however, it is still important that the pilot be briefed by an instructor and competence be demonstrated by the student.
- The final decision always rests with the instructor.

Sequence of Lessons

Lesson	Topic	Notes
1	Introductory Flight	To provide air experience and confidence.
2	Preflight and Ground Handling	To learn how to prepare the aircraft for flight.
3	Effect of Controls	To learn the effects and further effects on the flight path of the microlight and to study the effects of slipstream, airspeed and inertia.
4	Taxiing	To learn how to safely manoeuvre the aircraft on the ground.
5	Straight and Level, Climbing and Descending	To fly the aircraft on a constant heading and airspeed while in level, climbing and descending flight.
6	Medium Turns	To turn the aircraft at medium angles of bank.

Lesson	Topic	Notes
7	Stalling	To recognise the symptoms of the stall and to learn the correct technique for recovery which will result in minimum loss of height.
8	Takeoff, Circuit and Landing	To learn the correct procedure and safe techniques for takeoff, flight in the aerodrome traffic circuit and approach and landing.
9	Emergency Procedures	To familiarise the student thoroughly with the drills to be used in an emergency.

FIRST SOLO

10	First Solo/Solo Consolidation	For the student to gain confidence and improve skills in solo circuit flying.
11	Standard Circuit Rejoin	To join the circuit in a safe, systematic and approved fashion.
12	Glide Approaches	To make an approach and landing from the late downwind position without the use of power.
13	Forced Landing Without Power	To select a suitable landing area and land safely in the event of an engine failure.
14	Short Takeoff and Precision Landings	To learn the correct technique for taking off and landing in a confined area.
15	Crosswind Operations	To takeoff and land the aircraft safely in crosswind conditions.
16	Steep Turns	To learn turning at high rates of turn.
17	Low Flying	To fly the aircraft safely, accurately and with confidence near the ground.

INTERMEDIATE PILOT TEST

18	Map Reading	To use the map and compass as an aid to cross country flying
19	Cross Country Flying	To learn the correct procedures for the preparation and undertaking of cross country flying.

ADVANCED PILOT TEST

20	Type Rating	To familiarise an experienced pilot and ensure proficiency in a new aircraft type.
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SOME USEFUL LINKS

**The Recreational Aircraft Association
of New Zealand**
www.raanz.org.nz

Sport Aviation Corp Ltd
www.sportflying.co.nz

Book orders
www.pilotbooks.co.nz/

Maps and Charts
aipshop.co.nz/

Pilot Supplies
Talk to your Instructor

Hawke's Bay Microlight Club
www.microlight.org.nz/