

AUSTRALIAN CENTRE FOR MISSION AVIATION

MISSION AVIATION COURSES

COURSE INFORMATION

2010

(October 1, 2009)

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INTRODUCTION

This Manual provides detailed information on the mission aviation course conducted by Bible College of Victoria (BCV) at BCV and at the Australian Centre for Mission Aviation (ACMA) in partnership with JAARS (the aviation/technical arm of Wycliffe Bible Translators) and Mission Aviation Fellowship (MAF).

<u>COURSES</u>	<u>FULL TIME DURATION</u>	<u>COMMENTS</u>
<p><u>MISSION AVIATION FLIGHT</u> Certificate IV in Ministries</p> <p>Certificate IV in Aviation (Commercial Pilot Aeroplane Licence)</p> <p>Diploma of Mission Aviation –Flight</p>	<p>2 semesters (one year)</p> <p>40 weeks</p> <p>12 weeks</p>	<p>This course provides the Bible, Theology, and mission foundations required for mission aviation ministry. This Course is normally done before the flight training. For details of BCV’s Cert. IV in Ministries please check the BCV website www.bcv.vic.edu.au</p> <p>Course Code AVI40108 This is the nationally accredited training package for the Commercial Pilot Licence</p> <p>The award of this diploma requires the successful completion of: * Cert. IV in Ministries (or an approved equivalent) * Cert. IV in Aviation (Commercial Pilot Aeroplane Licence) The Diploma covers post CPL training including Instrument Rating & Advanced Flying</p>
<p><u>MISSION AVIATION ENGINEERING</u> Certificate IV in Aeroskills(Mechanical)</p> <p>Diploma of Aeroskills (Mechanical)</p>	<p>2 or 4 semesters at ACMA including 2 semesters knowledge modules plus required on job experience at ACMA or in industry.</p>	<p>Course Code MEA 50204 <u>Note.</u> Mission aviation agencies normally require completion of a minimum of 2 semesters of Bible and Mission training for acceptance. The Cert. IV in Ministries meets this requirement. For details of BCV’s Cert. IV in Ministries please check page 13 of this manual</p>
<p><u>COMBINED FLIGHT ENGINEERING</u></p>	<p>3 or 4 years plus one year on-job experience See Note 5 on next page</p>	<p>Includes:</p> <ul style="list-style-type: none"> • Cert. IV in Ministries • Cert. IV or Diploma of Aeroskills • Cert. IV in Aviation (Commercial Pilot Aeroplane Licence) • Diploma of Mission Aviation – flight

All Certificate IV in Ministries subjects taken at BCV are conducted at the Lilydale Campus, which is situated 1 hour east of Melbourne city. Accommodation is also at the Lilydale Campus. All flight and engineering subjects are undertaken at the Australian Centre for Mission Aviation at Coldstream Airfield. Coldstream is approximately 10 minutes from Lilydale. Travel between campuses is the responsibility of the student, and is currently facilitated by means of car pooling.

ADDITIONAL NOTES ON THE ENGINEERING COURSE

1. On completion of the 2 or 4 semester Aeroskills course at ACMA, students receive a Statement of Attainment detailing the competencies achieved towards the Certificate IV in Aeroskills (Mechanical) or the Diploma of Aeroskills.
2. CASA’s system of licensing for aircraft engineers is currently in a review and transitional stage. CASA’s stated intention is to transition to the EASA licensing system, but some elements of that are still unknown. The ACMA Course will progressively be restructured to maximise conformity to the new requirements as they are published.
3. CASA has stated that a Maintenance Engineer’s Licence will not be issued until the candidate has completed a minimum of 3 years of relevant industry experience. The time spent in the Engineering Course at ACMA is considered relevant industry experience, and counts towards CASA’s experience requirements.
4. Students are responsible to find a placement for the on-job experience within the aircraft industry.
Assistance in obtaining a placement will be provided by the Manager, Engineering Training.
5. The issue of the Aeroskills awards depends upon achievement of all the stipulated competencies in the accredited curriculum. This may require more on-job experience than one year.

SCHEDULE OF ENGINEERING TRAINING

The Engineering Course is structured in two possible streams. Students will be advised during the first semester of the Engineering Course which of the two streams would be most appropriate for them.

	YEAR 1		YEAR 2		ON-JOB EXPERIENCE
STREAM 1	SEMESTER 1	SEMESTER 2	SEMESTER 1	SEMESTER 2	
	THEORY MODULES	THEORY MODULES	PRACTICAL EXPERIENCE		
STREAM 2	THEORY MODULES	PRACTICAL EXPERIENCE		THEORY MODULES	

Note: For Australian students, Practical Experience segments of the training may be completed at ACMA or through on-job experience approved by the Manager, Engineering Training

For International students, a minimum of 4 semesters must be completed at ACMA including knowledge modules and practical experience.

Diagrammatically, the structure of the courses appears as follows:

CERT. IV IN MINISTRIES

- Includes subjects in the following fields**
- New Testament Studies
 - Old Testament Studies
 - Theology
 - Discipleship
 - Pastoral Care
 - Intercultural Studies
 - Introduction to Mission
 - Church History

NOTE: The core content shown on the left is typical of the Certificate IV in Ministries at BCV. Other Colleges may offer different content areas.

Certificate IV in Ministries

- MISSION AVIATION FLIGHT**
Major Modules
- Commercial Pilot Licence {This leads to Cert. IV in Aviation (Commercial Pilot Aeroplane Licence)} also see note below concerning helicopter flight training
 - NVFR Rating
 - IFR Rating
 - Remote Area Navigation
 - Advanced Flying
 - Physical Training
 - Intro to Aircraft Maintenance

- MISSION AVIATION ENGINEERING**
- Modules from CAO 100.66 (as on CASA website – www.casa.gov.au)
 - CASA theory exams (as required)

STATEMENT OF ATTAINMENT IN AEROSKILLS

- CERTIFICATE IV IN AVIATION (COMMERCIAL PILOT AEROPLANE LICENCE)**
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- DIPLOMA OF MISSION AVIATION - FLIGHT**

Aircraft Mechanic Additional work place training to gain competencies includes on-job experience

NOTE: HELICOPTER FLIGHT TRAINING

The program and costs in this manual are based on all flight training being in fixed wing aircraft. CPL helicopter training [CPL(H)] may be undertaken as an alternative to the CPL fixed wing component. Certificate IV in Aviation (Commercial Pilot Helicopter Licence) is conducted by other approved operators, and costs will vary accordingly and will be significantly higher than the costs for fixed wing training. Graduates with [CPL(H)] qualifications only should expect greater difficulty in obtaining positions immediately following graduation.

CERT. IV IN AEROSKILLS DIPLOMA OF AEROSKILLS

For those wanting to be licensed engineers application must be made to CASA after meeting CASA's requirements.

The **Mission Aviation** courses will, by means of an integrated program of studies in Biblical, theological, intercultural/missiological, and ministry related disciplines and practical instruction, prepare men and women to minister effectively in the field of mission aviation. These Courses seek to integrate Biblical and theological study and reflection, ministry skills development, spiritual formation, personal development, and practical skills within a specialised defined area. They are founded on a Biblical, theological, ministry skills core, and possess a structure that allows students to concentrate in the areas of Mission Aviation Flight and Mission Aviation Engineering. Within these two fields, it is expected that graduates from the Flight Stream will be equipped to minister effectively as Commercial Pilots within a mission aviation context. Graduates from the Aircraft Engineering Stream will be equipped to minister effectively as Aircraft Engineers within a mission aviation context.

The courses outlined in this manual are structured and timetabled as full-time courses. Students may undertake a program on a part-time basis, however great care must be taken by part-time students to ensure that their amended programs accord with the timetable and all course requirements.

Additionally, all Flight Students should note the following two points:

- (1) **In order to qualify for the 150-hour CPL, all Flight training from the time of commencing the Course must be completed under the supervision of Mission Aviation Instructors at Coldstream. Further the CPL must be completed within two years of commencement of flight training at BCV. Students who are unable to complete the CPL within two years must transfer to the 200-hour (non integrated) CPL.**
- (2) **Students in the Flight Stream should also note that all flight training undertaken while enrolled as a student in this course must be completed at the Mission Aviation Centre, COLDSTREAM.**

COURSE ACCREDITATION

BCV is registered by the Victorian Regulation and Qualifications Authority to issue the following courses:

Certificate IV in Ministries

Certificate IV in Aeroskills (Mechanical)

Diploma of Aeroskills (Mechanical)

Certificate IV in Aviation (Commercial Pilot Aeroplane Licence)

Diploma of Mission Aviation -Flight

Youth Allowance, Austudy, and Abstudy are available for eligible full-time students. **The Courses are also approved for international students**, and **AUSAID** may be available for eligible overseas students. All Courses are conducted by BCV in partnership with JAARS and MAF.

Please Note: Fee Help and HECS programs are not applicable to these courses. Government policy dictates that they only apply to courses in the Higher Education sector.

Australian students applying for Youth Allowance / Austudy / Abstudy will need the following information for Centrelink:

COURSE NAME AND CODE:

- Certificate IV in Ministries - 21942VIC
- Certificate IV in Aviation (Commercial Pilot Aeroplane Licence) - AVI40108
- Diploma of Mission Aviation -Flight – 21943VIC
- Diploma of Aeroskills (Mechanical) - MEA50207

Students in the Combined Flight / Engineering Course need to contact the Assistant Dean, Department of Mission Aviation, prior to applying to Centrelink.

Please see page 8 for further information on Centrelink.

ENTRY REQUIREMENTS

Students entering the **Flight Course** must meet the following entry requirements.

- i) Display a stable Christian character, confirmed by three references.
- ii) Demonstrate a consistent church life for at least one year immediately prior to application into the Course. This demonstration will be fulfilled by regular and active participation in the life and program of a local church, confirmed by a positive recommendation from the leadership of the church.
- iii) Demonstrate a readiness to seriously consider a mission aviation career as a mission pilot.
- iv) Minimum educational requirements for the flight course are as follows:
Certificate IV in Aviation (Commercial Pilot Aeroplane Licence) - Year 10 or its equivalent. Applicants will also be evaluated with respect to maturity, aptitude and motivation. Applicants who have not completed Year 10 may be admitted on consideration of other factors.
Diploma in Mission Aviation (Flight) – entry into this Course is contingent upon successful completion of the Certificate IV in Aviation (Commercial Pilot Aeroplane Licence). The award also requires successful completion of a Certificate IV in Ministries or an approved equivalent. Applicants who have not completed Year 10 may be admitted on consideration of other factors.
- v) Demonstrate the capacity to develop the skills required to safely operate aircraft in a commercial environment. This will be assessed by a trial instructional flight prior to acceptance into the Course. Please contact us for further information about this trial flight. CASA also has a stipulation that under the Civil Aviation Regulations, a Commercial Pilot Licence holder must be not less than 18 years old.
- vi) Age – * Certificate IV in Aviation (Commercial Pilot aeroplane Licence) – due to the above CASA requirement students may not enter this Course before 17. International students must turn 18 within the first semester.
* Diploma in Mission Aviation (Flight) – due to the entrance requirement for this Course students would be at least 18 within the first semester.
- vii) Possess a current Australian Class 1 medical certificate issued by the Australian Civil Aviation Safety Authority (CASA) approved medical examiner. Only certain Doctors are approved by CASA to conduct the Class 1 medical. A list of these Doctors may be found on the internet at www.casa.gov.au On the home page go to Services then Aviation medicals.
International students also need to complete this medical examination. A listing of Doctors within your country approved to conduct this medical will also be found on the above website.
Please Note - you need to obtain an ARN (Aviation Reference Number) before doing the medical. The applications for this form for the ARN can be found on the above CASA website under manual and forms. The form number is 1162.
Please note this must be an Australian Class 1 CASA medical, to prove that you are fit to undertake commercial flying. A copy of this medical needs to be sent to us with your application.
- viii) Be able to meet the financial requirements as set out on pages 24 and following.
- ix) Attend an interview if required.

Students entering the Aircraft Engineering Course must meet the following entry requirements:

- i) Display a stable Christian character, confirmed by three references.
- ii) Demonstrate a consistent church life for at least one year immediately prior to application into the Course. This demonstration will be fulfilled by regular and active participation in the life and program of a local church, confirmed by a positive recommendation from the leadership of the church.
- iii) Demonstrate a readiness to seriously consider a mission aviation career in aircraft engineering.
- iv) The minimum educational requirement for entry into the Certificate and Diploma in Aeroskills is Year 10 or its equivalent. Specifically, applicants must have Maths, English and Science skills adequate for these Courses. Applicants will also be evaluated with respect to maturity, aptitude, and motivation. Mature age students who have not completed Year 10 or students who have not passed Year 10 Maths or Science, may be admitted on consideration of other factors.
- v) Demonstrate aptitude for the course on the Additional Engineering Application form. In some cases a practical assessment may be required. In the first semester of the engineering course students will be assessed to determine which of the two streams on page 3 would be most appropriate for their training..
- vi) Age – Certificate and Diploma of Aeroskills – students may enter at age 15 if they turn 16 within their first year and demonstrate the required level of maturity. International students must turn 18 within the first semester of their first year and demonstrate the required level of maturity.
- vii) Submit a satisfactory medical report from a qualified medical practitioner.
- viii) **Prior to starting the Course, demonstrate the capacity to pay the Course Fees.** This requirement is explained in detail in the Course Fees section.

RESIDENTIAL REQUIREMENTS

At the request of the mission aviation operators with whom the courses in this manual are conducted in partnership, **it is recommended that all full-time students live on campus for a minimum of one year.** Students must turn 18 in their first semester to be able to live on campus at Bible College of Victoria

Accommodation Costs per year

Single Units - Single Room - \$7,030 Twin Share Room - \$5,550

Married Couple Units - \$11,466
(includes residence and most meals in term time)

Family Units –

One bedroom - \$8,112

Two bedroom - \$8,788

Three bedroom - \$9,828

These are self contained unfurnished (furnished for overseas students) and include accommodation, lighting and heating throughout the year, but no meals.

CENTRELINK APPLICATION

If you are applying for Austudy/Youth Allowance please remember that our Courses are divided into separate awards (see page 2) and each award needs to be applied for separately ie. one at a time.

Flight Course – includes 3 separate awards

Certificate IV in Ministries - 1 year

Certificate IV in Aviation (Commercial Pilot Aeroplane Licence) - 40 weeks

Diploma in Mission Aviation (Flight) - 12 weeks

Engineering Course – 2 separate awards

Certificate IV in Ministries – 1 year

Certificate IV in Aeroskills(Mechanical) or the Diploma of Aeroskills (Mechanical) depending on which program you choose to take – up to 4 years

Combined Course

Certificate IV in Ministries - 1 year

Certificate IV in Aeroskills(Mechanical) or the Diploma of Aeroskills (Mechanical) depending on which program you choose to take – up to 4 years

Certificate IV in Aviation (Commercial Pilot Aeroplane Licence) - 40 weeks

Diploma in Mission Aviation (Flight) - 12 weeks

COURSE CURRICULA AND FEES

The curriculum for each Course is detailed in the following pages.

Details of fees are contained in the Course Fees section at the end of this Manual. **The fees shown are accurate for the year listed on the front cover of this Manual and are in Australian dollars.** Fees for future years may be expected to increase in line with normal annual increases, and will be published at the appropriate time.

COURSE PROGRAM

2010 ANNUAL DATES

Please note that the following dates are for the Engineering and Flight Courses only.
For those enrolling in the Certificate IV in Ministries at BCV please refer to the BCV Annual Calendar which can be found on the BCV website – www.bcv.vic.edu.au

<u>Term 1</u> Mon. Jan 18	Flight and engineering students commence
Sat. Feb. 20	All students, together with their spouse and children, are required to attend the ACMA BBQ on this day at 4.00 pm – 8.00 pm at Coldstream. This will be an opportunity to introduce the new Aviation students enrolling at BCV
Thurs. Apr. 1	Term 1 Flight and Engineering training concludes.
Fri. Apr.2 - Sun. Apr. 11	EASTER BREAK
<u>TERM 2</u> Mon Apr. 12	Term 2 commences
Fri. July 2	Term 2 Flight and Engineering training concludes.
Mon. Jul.5– Fri.Jul. 9	Mission Aviation Camp (required attendance by all Staff and students.)
Sat. Jul. 10 – Sun Jul. 18	MID YEAR BREAK
<u>TERM 3</u> Mon Jul 19	Term 3 commences
Fri Sep 17	Term 3 Flight and Engineering training concludes
Sat Sep 18 – Sun Sep 26	MID SEMESTER BREAK
<u>TERM 4</u> Mon Sep 27	Term 4 commences
Fri Dec 17	Term 4 ACMA courses conclude

WEEKLY PROGRAM

The following information relates to the weekly program at ACMA for Mission Aviation students:

- All training is programmed Monday to Friday commencing at 8.15 am and normally concluding at 4.45 pm.
- Flight training is conducted at the Australian Centre for Mission Aviation at Coldstream Airfield, located 10 minutes drive from BCV. Some modules (eg. night flying) are conducted at other locations that have the required facilities. Weather may dictate that flight training has to be scheduled on some Saturdays and outside the normal 0815-1645 times.
- Aircraft engineering training is conducted at the Mission Aviation Centre at Coldstream Airfield, located 10 minutes drive from BCV.
- Other weekly activities which require a student's attendance/involvement include:
 - Devotional sessions at the Mission Aviation Centre. (8.15 am each morning)
 - Work duties at the Mission Aviation Centre.
 - February ACMA BBQ, The Mission Aviation Camp, the Mission Aviation Discovery (MAD) Day, and any other special events.

HOUSING

It is recommended that aviation students live on campus for a minimum of one year in accordance with the policies detailed earlier under the paragraph titled "Residential Requirements". Most mission aviation organisations recommend that future pilots and engineers include a period of on-campus residence in their training program. Normally, there is sufficient on-campus housing available at BCV for all single students. Housing for married couples and families is in shorter supply, and is allocated by BCV on a first-come basis determined by the order in which completed application papers are received. For this reason, students should apply as soon as they have decided to enrol in the Course. Housing on campus is considerably cheaper than that available off campus.

ENQUIRY PROCEDURE

Initial enquiries should be addressed to:

The Assistant Dean, Department of Mission Aviation
Bible College of Victoria
P O Box 380
LILYDALE VIC 3140

e-mail: [**dsearle@bcv.vic.edu.au**](mailto:dsearle@bcv.vic.edu.au)

Phone: (03) 9735 0011

Fax: (03) 9735 0721

APPLICATION PROCEDURE

All Mission Aviation applications should be addressed direct to the Assistant Dean at the above address.

Following initial receipt of a student's application, reference forms will be sent by BCV to the student's nominated referees. When these have been received, and all details of a student's application are complete, the application papers are circulated through the Applicants' Committee for decision. Normally, provided that referees return their forms expeditiously, students can expect to receive a decision on their application within 4-6 weeks. The decision of the Applicants' Committee will then be subject to further interview and assessment as required by the relevant Department of Mission Aviation Instructors, which will normally be required in the month of November for Australian students. Any further requirements for assessment for International students will be advised. Following the successful completion of the assessment procedure a Letter of Acceptance will be forwarded. Final acceptance into the Course is then contingent upon meeting the financial requirements specified in this Manual.

Applications close mid August for Overseas students and November 15 for Australian students. To ensure placement, suitable accommodation, and time to time to complete aptitude and medical tests, earlier application is advised - applications can be submitted as early as 12 months in advance.

Due to accommodation restrictions overseas married couples and married couples with children should apply by mid May.

Late applications will be considered. Consideration of late applications, amongst other things, will be subject to the availability of appropriate staff to undertake the required processing and assessments.

For International Students who are accepted, accompanying your Letter of Acceptance will be a Confirmation of Enrolment Form which is the form you need to submit with your visa application to the Australian Embassy in your country. Some countries take up to 11 weeks to process visa applications.

Student visa information can be found on www.immi.gov.au

With visa application forms found on www.immi.gov.au/allforms.pdf/160/pdf

Please note visa medicals are normally required.

Spouses of married students living on campus need to also fill out application papers, including the medical form, regardless of whether the spouse will be studying or not.

PART TIME STUDIES

For Australian students the Flight and Engineering Courses can be taken on a limited part-time basis. However, students must recognise that electing to take a course part time may result in timetabling difficulties.

Some Bible subjects can be taken part time. Please contact the Assistant Dean of the Mission Aviation Department for details on this.

Assessment for competencies in the Engineering Course is conducted in accordance with the relevant Aeroskills Training Package. Assessment for Flight training is conducted in accordance with the competencies and syllabi detailed in the CASA documents, and relevant training packages.

Further information about possible part-time pathways can be obtained from the Assistant Dean, Department of Mission Aviation.

STAFF ACCESS AND EQUITY

When a mission aviation student commences training, any aviation related enquiries or complaints should be addressed either to the Assistant Dean, Department of Mission Aviation, the Dean of the Department of Mission Aviation, or the Administration Manager at the Australian Centre for Mission Aviation.

Questions or complaints relating to specific modules within the particular course can be addressed to the individual Instructors. If you do not feel that you have received satisfaction from the above people or you particularly want to speak with the Principal of BCV, the Principal is also accessible upon certain conditions, and requests to see the Principal must be made through his Personal Assistant.

TRANSFER CREDIT AND MUTUAL RECOGNITION

We recognise and accept the credentials issued by other registered training organisations based in any State/Territory of Australia and in some cases overseas. This can include a Statement of Attainment for specific modules or units of competency or may be a complete qualification.

Requests for Transfer Credit or Recognition of Prior Learning must be made at the beginning of studies and will not be accepted in later semesters.

ACCREDITED ENGINEERING COURSES

ACCREDITED CERTIFICATE IV IN AEROSKILLS

1 Year Course (knowledge modules only)
(PLUS ON-JOB EXPERIENCE)

ACCREDITED DIPLOMA OF AEROSKILLS

2 YEAR COURSE
(PLUS ON-JOB EXPERIENCE)

INFORMATION 2010

STANDARD CURRICULUM FOR MISSION AVIATION ENGINEERING COURSE

CERTIFICATE IV IN MINISTRIES	CERTIFICATE IV IN AEROSKILLS & DIPLOMA OF AEROSKILLS														
<p>The Certificate IV in Ministries at BCV includes the following subjects:</p> <p><u>Semester One</u> Old Testament Survey Part 1 New Testament Survey Part 1 Know the Truth Part 1 Intro to Mission Discipleship (including Personal Ministry Development) Church History Pastoral Care Global Update</p> <p><u>Semester Two</u> Old Testament Survey Part 2 New Testament Survey Part 2 Know the Truth Part 2 Discipleship 2 Global Update Formational Issues for Intercultural Ministry Romans Isaiah</p> <p><u>Note:</u></p> <ol style="list-style-type: none"> 1. The Cert. IV in Ministries is not a pre-requisite for the Diploma in Aeroskills. It is however a requirement for acceptance by most mission aviation organisations. 2. It is recommended that this component be completed at BCV because of its mission emphasis. However, an accredited equivalent is an acceptable alternative. 	<p>The Diploma of Aeroskills and the Certificate IV in Aeroskills (Mechanical) include all of or some of the following components:</p> <table border="0"> <tr> <td>Mathematics</td> <td>Basic Aerodynamics</td> </tr> <tr> <td>Physics</td> <td>Human Factors</td> </tr> <tr> <td>Electrical Fundamentals</td> <td>Aviation Legislation *</td> </tr> <tr> <td>Electronic Fundamentals *</td> <td>Piston Engines</td> </tr> <tr> <td>Materials and Hardware</td> <td>Propellers</td> </tr> <tr> <td>Maintenance Practice</td> <td>Gas Turbine Engines</td> </tr> <tr> <td>Digital Techniques & Electronic Instrument Systems *</td> <td>Aeroplane Aerodynamics, Structures & Systems</td> </tr> </table> <p><u>NOTE 1.</u> Full details of the Diploma of Aeroskills curriculum may be found in CAO 100.66 at the CASA website www.casa.gov.au/download/cao100/10066</p> <p>2. Modules with an * are specific to the Diploma of Aeroskills only.</p> <p align="center"><u>PRACTICAL EXPERIENCE</u></p> <p>May include</p> <ul style="list-style-type: none"> • One year at the Mission Aviation Centre • Additional on-job experience to attain competencies <p><u>Note</u> carefully the comments on page 3 related to on-job experience requirements and CASA licensing.</p>	Mathematics	Basic Aerodynamics	Physics	Human Factors	Electrical Fundamentals	Aviation Legislation *	Electronic Fundamentals *	Piston Engines	Materials and Hardware	Propellers	Maintenance Practice	Gas Turbine Engines	Digital Techniques & Electronic Instrument Systems *	Aeroplane Aerodynamics, Structures & Systems
Mathematics	Basic Aerodynamics														
Physics	Human Factors														
Electrical Fundamentals	Aviation Legislation *														
Electronic Fundamentals *	Piston Engines														
Materials and Hardware	Propellers														
Maintenance Practice	Gas Turbine Engines														
Digital Techniques & Electronic Instrument Systems *	Aeroplane Aerodynamics, Structures & Systems														

ACCREDITED FLIGHT COURSES

CERTIFICATE IV IN AVIATION (COMMERCIAL PILOT AEROPLANE LICENCE)

40 WEEK COURSE

DIPLOMA OF MISSION AVIATION -FLIGHT

12 WEEK COURSE

The award of this Diploma requires the successful completion of:
Cert. IV in Ministries (or an approved equivalent)
Cert. IV in Aviation (Commercial Pilot Aeroplane Licence)
The additional modules listed on the next page

COURSE INFORMATION 2010

NOTE: This course is structured to incorporate the 150-hour CASA - approved integrated CPL. **It is therefore strongly recommended that students not engage in any flight training prior to enrolment.** To do so may jeopardise your eligibility for the 150-hour CPL and incur significant additional expenditure to complete the 200-hour CPL syllabus.

ALSO NOTE that all flight training undertaken while enrolled as a student in this course must be completed at the Mission Aviation Centre, COLDSTREAM.

STANDARD 2-YEAR CURRICULUM FOR DIPLOMA OF MISSION AVIATION (FLIGHT)

CERT. IV IN MINISTRIES	CERTIFICATE IV IN AVIATION (COMMERCIAL PILOT AEROPLANE LICENCE)	DIPLOMA OF MISSION AVIATION -FLIGHT
<p><u>Semester One</u> Old Testament Survey Part 1 New Testament Survey Part 1 Know the Truth Part 1 Intro to Mission Discipleship Church History Pastoral Care Global Update</p> <p><u>Semester Two</u> Old Testament Survey Part 2 New Testament Survey Part 2 Know the Truth Part 2 Formational Issues for Intercultural Ministry Romans Isaiah Discipleship 2 Global Update</p>	<p>40 weeks of flight training leading to Commercial Pilot Licence. The Course covers all components of the approved 150 hour CPL course in the CASA Day VFR Syllabus including:</p> <p>BAK Theory GFPT PPL Theory PPL Training CPL Theory CPL Training</p> <p>In addition, students in this course complete:</p> <p>Physical Training Remote Area Navigation Night VFR Rating</p>	<p>12 weeks of Advanced Post – CPL Flight Training covering:</p> <p>IREX Theory Command Instrument Rating Advanced Flying</p> <p>In addition, students in this course will complete additional studies in</p> <p>Airmanship Aircraft Maintenance Physical Training</p> <p><u>NOTE</u> The award of the Diploma of Mission Aviation -Flight requires satisfactory completion of Cert.IV in Ministries (or an approved equivalent qualification) and the Commercial Pilot Licence.</p>

STANDARD 3 SEMESTER CURRICULUM FOR STUDENTS WITH ADVANCED STANDING IN THE CERTIFICATE IV IN AVIATION (COMMERCIAL PILOT AEROPLANE LICENCE) AND IN DIPLOMA OF MISSION AVIATION (FLIGHT)

Direct entry for this program is available only to students who hold a minimum of a Private Pilot Licence and have passed ALL CPL theory exams prior to commencing the course.

NOTE: Students who enter the course with some flight training already completed may not be eligible to undertake the integrated 150-hour CPL. In this case they will be required to complete a 200-hour CPL.

CERT. IV IN MINISTRIES	DIPLOMA OF MISSION AVIATION -FLIGHT
<u>Semester One</u> Old Testament Survey Part 1 New Testament Survey Part 1 Know the Truth Part 1 Intro to Mission Discipleship Church History Pastoral Care Global Update <u>Semester Two</u> Old Testament survey Part 2 New Testament Survey Part 2 Know the Truth Part 2 Discipleship 2 Global Update Formational Issues for Intercultural Ministry Romans Isaiah	22 weeks of post-PPL training including: IREX Theory Command Instrument Rating Advanced Flying In addition, students in this course will complete additional studies in: Airmanship Aircraft Maintenance Physical Training <u>NOTE</u> The award of the Diploma of Mission Aviation (Flight) requires satisfactory completion of Cert. IV in Ministries (or an approved equivalent qualification) and the Commercial Pilot Licence.

**ACCELERATED TWO SEMESTER NON ACCREDITED
CERTIFICATE IN MISSION AVIATION FOR STUDENTS WHO HOLD
A COMMERCIAL PILOT LICENCE AND HAVE PASSED IREX
THEORY BEFORE COMMENCING THE COURSE**

<u>ACCELERATED TWO SEMESTER NON ACCREDITED</u>	SEMESTER 1	SEMESTER 2
CERT. IV IN MINISTRIES	Physical Training (PT) OT Survey 1 NT Survey 1 Discipleship 1 Know the Truth 1 Global Update Intro To Mission	PT One Bible subject either NT Survey2, Romans, or Isaiah Discipleship 2 Formational Issues
FLIGHT TRAINING	NVFR Command Instrument Rating	Advanced Flying Airmanship Aircraft Maintenance
FLIGHT THEORY TRAINING	All CASA exams must be completed prior to commencement of this Course including IREX	

NOTE. This is not an accredited course and is therefore not available to overseas students. It is not possible to complete the Accredited Diploma Course in one year, unless a student enters the Course having already completed a Cert. IV In Ministries (or an approved equivalent.)

COMBINED ACCREDITED FLIGHT / AIRCRAFT ENGINEERING COURSE

CERTIFICATE IV IN MINISTRIES -1 YEAR
ENGINEERING COURSE – 1 or 2 YEARS
(PLUS ON-JOB EXPERIENCE)
FLIGHT COURSE – 1 YEAR

COURSE INFORMATION 2010

COURSE DESCRIPTION

The dual award of Diploma of Mission Aviation (Flight) plus Diploma of Aeroskills has been designed to enable students to complete both the Aircraft Engineering Course and Flight Course within a 4year period plus required on-job experience to enable engineering competencies to be attained.

Students graduating from this Course will receive the following qualifications:

- Certificate IV in Ministries
- Cert. IV in Aviation (Commercial Pilot Aeroplane Licence)
- Diploma of Mission Aviation -Flight incorporating Command Instrument Rating and post CPL advanced flight training.
- Cert. IV in Aeroskills/Diploma of Aeroskills (Mechanical) See additional notes on the Engineering Course on page 3.

Students graduating from this program and desiring to obtain qualifications as a Licensed Aircraft Maintenance Engineer will be required to engage in additional on-job experience to gain the required competencies. Additionally, the appropriate CASA theory exams not already passed will have to be completed, and all of CASA's requirements fulfilled. Further information on this may be obtained from the CASA website and from the Manager, Engineering Training at ACMA.

COURSE STRUCTURE

The combined Flight/Engineering Course combines the requirements of the Cert. IV in Ministries, the Cert IV in Aviation (Commercial Pilot Aeroplane Licence), the Diploma of Mission Aviation (Flight) and the Cert. IV in Aeroskills/Diploma of Aeroskills. There is some flexibility in how the Course is structured for any particular student, however priority must be placed on completing all of the Engineering modules within the standard timetable. All of the BCV modules and flight training modules listed on Page 15 must also be completed for this award.

A full time student in the combined course will be required to complete the following elements:

- Cert. IV in Ministries (2 semesters)
- Cert. IV in Aeroskills or Diploma of Aeroskills (minimum of 2 semesters at ACMA.) May be extended to 4 semesters if on-job experience is included. In addition, any competencies not attained during the ACMA Course will require additional on-job experience at some stage.
- Diploma of Mission Aviation Flight including Cert. IV in Aviation (2 semesters)

The particular order in which each of the above elements is undertaken can be varied to meet the requirements of the individual student.

COURSE FEES

The following fees are for the year 2010. Some fees published in this manual may be subject to cost increases during the year that are beyond the control of BCV. As an example, flight fees may increase as a result of increase in the cost of aviation fuel.

Fees for future years are expected to increase in line with normal annual increases and will be published at the appropriate times.

INTERNATIONAL STUDENTS

To the following fees,
International Students need to add \$520.00 per year for Overseas Tuition Insurance and Administration.

GENERAL FEE POLICIES FOR MISSION AVIATION STUDENTS

PLEASE STUDY THIS SECTION CAREFULLY

Students entering the Mission Aviation Course face a high financial load. This is particularly true of those in the Flight Course. Over the years in which the Mission Aviation Course has been operating, one factor relating to students' finances is starkly evident – students who commence the Course with inadequate or unsure financial provision either drop out, struggle continually, or place themselves under undue stress. None of these results is satisfactory for the student or his/her fellow students.

In order to avoid repeating the difficulties we have observed, the following policies related to students in the Mission Aviation Course are effective.

1. Fees for students in the Mission Aviation Course have been separated into the following three components:
 - (a) BCV fees, which include all BCV Cert. IV in Ministries tuition fees, administration fees, and on-campus accommodation fees. These fees are not included in this manual. Students should consult the BCV 2010 Fee Schedule and/or the BCV website for information.
 - (b) Mission Aviation Course Fees, which include:
 - Tuition fees
 - Administration fees
 - All flight –related costs including flight theory sessions, briefings, dual instruction, and solo flying. These fees are set by, and paid to, MAF as our flight training provider.
 - (c) Other costs payable by the student on an as-required basis, such as textbooks, uniforms, tools, and flight equipment including headsets and navigational equipment.

2. All students entering the Mission Aviation Course, including those in the Flight Course and the Engineering Course, must, **prior to the commencement of each semester** demonstrate the capacity to pay that semester's Course Fee in full by the end of that semester. Satisfaction of any of the following criteria will meet the need to demonstrate capacity to pay:
 - Payment of semester Course Fee in advance **during the first week of the semester.**
 - Confirmation of Austudy or Youth Allowance approval, accompanied with confirmation of a corresponding regular fortnightly direct debit from the student's account to BCV, together with a deposit of the balance of the semester's Course Fee or a minimum of \$2,000.00 in the BCV Trust Account **during the first week of the semester.**

3. **Engineering students** will not be permitted to enrol in any semester unless all fees for the previous semester have been paid in full and **EITHER**
 - (i) The full fees for the next semester have been paid to BCV.

OR

 - (ii) A direct debit process has been established and the balance of the Course Fee or a minimum of \$2,000.00 is paid to BCV.

4. **Flight Students** will not be permitted to enrol in any semester unless all fees for the previous semester have been paid in full and **EITHER**
- (i) The full Course Fee for the next Semester has been paid to BCV, **OR**
 - (ii) A direct debit process has been established and the balance of the Course Fee (minimum \$2,000.00) with the exception of fees for flight training, is paid to BCV up front.

Additionally, **Flight Students must, prior to commencing their flight training, either:**

- (1) **Deposit their full Flight Fees for the semester into the BCV Flight Account. This includes the full amount for each module in which they are enrolled. OR**
- (2) **have signed a Flight Training Agreement between the student, BCV and MAF for regular monthly payments in advance. Students will only be rostered for flight training while their Flight Account remains in credit.**

All students should note the following:

A student whose enrolment is accepted on the basis of the establishment of a direct debit facility may not cancel that facility without the approval of the Administration Manager of the Department of Mission Aviation. **Cancellation without approval, or notice that insufficient funds are in the student's account to pay the direct debit, will result in immediate suspension of the student's enrolment.**

5. The fees detailed on following pages are calculated on the basis that the student is enrolled full-time in the respective program. Course Fees include the administration fees and tuition. Fees do not include provision for textbooks, work clothing or tools for Engineering Students, uniforms or special equipment for students in the Flight Course. Typical expectations for some of these items are shown on the following pages.
6. Fees listed have been prepared with as much accuracy as possible at the time of publication. However, some costs are not directly controlled by BCV, and may be subject to change at short notice.

PLEASE NOTE that all fees shown are for Year 2010 only. Fees indicated for future years are in Year 2010 terms – students should expect normal annual increases in future years.

7. Students living on campus should note the following:

Single Students

Fees published in the BCV Fee Schedule include rent and board (including meals) in BCV Lilydale campus term time.

Note -

- 1. Meals exclude Saturday and Sunday lunch and Saturday Dinner. Meals during the weekend can be self catered for in the Small Common Room – suggested costing - \$20-25 per week
- 2. Students living on campus outside of BCV Lilydale normal terms need to add appropriate amounts to their BCV fees for the additional time, as published under “Vacation Charges for Students” in the BCV Fees Schedule.
- 3. Meals are not provided outside of BCV Lilydale normal terms. Students may cook their own meals during these times in the small common room.

Married Couples

- Fees published in the BCV Fees Schedule include rent and board (including meals) from the beginning of BCV Lilydale Semester 1 until Nov. 30 each year.

Note –

1. Meals exclude Saturday and Sunday lunch and Saturday Dinner. Meals during the weekend can be self catered for in the Small Common Room.
 2. Students living on campus outside of BCV Lilydale normal times need to add appropriate amounts to their BCV fees for the additional time, as published under “Vacation Charges for Students” in the BCV Fees Schedule.
 3. Meals are not provided outside of BCV Lilydale normal terms. Students may cook their own meals during these times in the Marrieds Common Room.
- If not wishing to rent over the summer holidays the unit must be vacated and furniture and belongings may be stored at BCV. It can be guaranteed that the same unit will be allocated again the following year if so desired. For those who do not want to pack their furniture and belongings, they either need to pay rent for the holiday period, or pack up some of their things and be willing for the College to rent their unit out to camps etc. Some may arrange for a single student to stay in their unit over the break and the single student can pay them what they would normally pay the College. Any questions need to be directed to the BCV Dean of Students.
 - Married units have their own bathroom facilities and some furniture, but **no** cooking facilities. *Furniture is provided for overseas students.* During the holidays, cooking may be done in the Marrieds Common Room.

Family Units

- Family Units are self-contained, ie. Each unit has its own cooking and bathroom facilities, but no furniture. *Furniture is provided for overseas students.* Fees include accommodation and utilities throughout the whole year, but not meals.

FOR OTHER GENERAL FEE POLICIES, PLEASE CONSULT THE CURRENT BCV FEES SCHEDULE.

SOURCES OF FUNDING

Some of the ways that students fund their training includes:

- Austudy / Youth Allowance (Australian students only)
- Obtaining Government funded student scholarships (Overseas Students Only – from their own countries)
- Taking out a bank loan
- Using equity in a house loan
- Support from local church, family and friends
- Contacting different Christian agencies that may be able to support them.

ENGINEERING COURSE FEES

	AUSTRALIAN STUDENT			INTERNATIONAL STUDENT		
	ADMIN FEE	TUITION FEE	TOTAL	ADMIN FEE	TUITION FEE	TOTAL
<u>YEAR 1</u>	\$790	\$5,100	\$5,890	\$1,580	\$12,900	\$14,480
<u>YEAR 2</u> (see note below)						
(1) At Mission Aviation Centre	\$790	\$5,100	\$5,890	\$1,580	\$12,900	\$14,480
(2) On-job	\$790	-	\$790	\$1,580	-	\$1,580
<u>ON-JOB EXPERIENCE</u>						
Semester 1	\$395*	-	\$395*	\$790	-	\$790
Semester 2	\$395*	-	\$395*	\$790	-	\$790

* If the on-job experience is not directly supervised by ACMA transfer credit can be applied for when all of the on-job experience requirements have been met. The fee for this is \$200 for Australian students and \$400 for international students

The fees shown for Year 2 are dependent on whether the student undertakes the practical experience component during that year at the Australian Centre for Mission Aviation or on-job in industry.

Accommodation costs are listed on page 8.

NOTES

Students in the Engineering Course can also expect additional expenditure for the following items:

- Textbooks – approximately \$1,000 for the first year.
- Tools – approximately \$1,250 by the commencement of practical experience.
- Protective Clothing – is required to be worn by all Engineering students when at Coldstream. Current estimates for full winter gear including 3 shirts, 2 pairs of trousers, jumper, jacket, boots, safety glasses, and earmuffs are approximately \$550. Trousers, shirts and jumper need to conform to the design adopted for all ACMA Engineering students, and can be ordered through Lilydale Safety Wear.
- CASA Engineering Exams - \$100 each. These are conducted by CASA and are taken, as required by the student at the appropriate times during the course. Currently a minimum of 9 exams must be passed before licensing.
- Engineering Log Book - \$30.
- There may also be some additional expenditure incurred due to any charges levied by industry groups during engineering excursions.

FLIGHT COURSE FEES

STANDARD 2 YEAR COURSE

NOTE

1. THESE FIGURES DO NOT INCLUDE FLIGHT TRAINING. CONSULT LAST PAGE FOR TYPICAL FLIGHT COSTS.

2. THESE FIGURES DO NOT INCLUDE ACCOMMODATION – SEE PAGE 8 FOR ACCOMMODATION COSTS.

Certificate IV in Ministries – Semester 1 & 2	Australian students - \$7,500 Overseas students - \$8,100
Certificate IV in Aviation (Commercial Pilot Aeroplane Licence) plus the Diploma in Mission Aviation Flight	
Semester 1	Admin Fees* \$ 990 Tuition Fee Non Flight (Physical Training) \$ 75 Total \$1065
Semester 2	Admin Fees \$ 990 Safari Fee \$ 490 Non Flight Tuition Fee (Physical Training) \$ 75 Aircraft Maintenance Seminar \$ 490 Total \$2045

* Administration Fees in the Flight Course are directed towards the fees paid by ACMA for the conduct of the course, including accreditation fees levied by the educational authorities and operating fees levied by the airfield owners.

Students in the **Flight Course** can also expect additional expenditure for the following items:

- Headset \$250-\$700 – This will be required at the beginning of flight training
- BAK/CPL Theory Texts \$800
- CASA documents, flight maps, and navigational equipment \$900
- MAC Flight Uniform - \$300. This is required of all students in the Flight Stream, and is to be worn at all times when at the Mission Aviation Centre or under instruction. The uniform includes 3 shirts with epaulettes, flight jumper and cap. The uniform will be ordered during Week 1. As part of the flight uniform, students are to provide their own navy blue trousers and black shoes. (Note – sneakers are not acceptable footwear for flight.)
- CASA flight test fees. These approximate: \$500
- CASA theory examination fees. These approximate: \$1100
- Flight students also need to provide their own gear suitable for Physical Training, including footwear that is appropriate for jogging, aerobics, and for use in the gymnasium.

STUDENTS WITH MINIMUM PPL PLUS ALL CPL THEORY WHO ARE ENROLLED IN THE STANDARD 3-SEMESTER DIPLOMA CURRICULUM

1. THESE FIGURES DO NOT INCLUDE FLIGHT TRAINING. CONSULT LAST PAGE FOR TYPICAL FLIGHT COSTS.

2. THESE FIGURES DO NOT INCLUDE ACCOMMODATION – SEE PAGE 8 FOR ACCOMMODATION COSTS.

Certificate IV in Ministries - Semester 1 & 2	Australian students - \$7,500 Overseas students - \$8,100								
Certificate IV in Aviation (Commercial Pilot Aeroplane Licence) plus Diploma in Mission Aviation (Flight)									
Semester 1	<table> <tr> <td>Admin Fees</td> <td>\$ 990</td> </tr> <tr> <td>Non Flight Tuition Fee (Physical Training)</td> <td>\$ 75</td> </tr> <tr> <td>Aircraft Maintenance Seminar</td> <td>\$ 490</td> </tr> <tr> <td align="right">Total</td> <td>\$1555</td> </tr> </table>	Admin Fees	\$ 990	Non Flight Tuition Fee (Physical Training)	\$ 75	Aircraft Maintenance Seminar	\$ 490	Total	\$1555
Admin Fees	\$ 990								
Non Flight Tuition Fee (Physical Training)	\$ 75								
Aircraft Maintenance Seminar	\$ 490								
Total	\$1555								

PLEASE NOTE - Notes on previous page relating to additional expenditure for Flight Students.

**AUSTRALIAN STUDENTS WITH CPL WHO ARE ENROLLED IN THE
2-SEMESTER NON ACCREDITED CERTIFICATE COURSE (FLIGHT STREAM)**

(THESE FIGURES DO NOT INCLUDE FLIGHT TRAINING. CONSULT LAST PAGE FOR TYPICAL FLIGHT COSTS.)

These figures do not include accommodation – see page 7 for accommodation costs.

Semester One		Semester 2	
BCV Subject Fees - \$3,000		BCV Subject Fees - \$1,750	
ACMA costs		ACMA costs	
Admin Fees	\$ 990	Admin Fees	\$ 990
Non Flight – Physical Training	\$ 75	Non Flight	
		Physical Training	\$ 75
		Aircraft Maintenance Sem.	\$ 490
TOTAL ACMA FEE	\$1065	TOTAL ACMA FEE	\$1555

NOTE:

This is not an accredited course and is therefore not available to overseas students.

It is not possible to complete the Accredited Diploma Course in one year, unless a student enters the Course having already completed a Cert. IV in Ministries (or an approved equivalent).

PLEASE NOTE:

Earlier notes on page 26 relating to additional expenditure for Flight Students.

COMBINED FLIGHT ENGINEERING COURSE

The 2010 fee schedule for students undertaking the combined Flight/Engineering Course is as follows:

<u>Certificate IV in Ministries</u>	<u>Engineering Training</u>	<u>Flight Training</u>
Domestic students \$7,500	See costs on page 25	See costs on pages 26-28
Overseas students \$8,100		

NOTE

See notes on pages 26 & 27 for additional flight expenditure and other additional information.

ESTIMATED FLIGHT TRAINING FEES 2010

The **Flight Training** component has been divided into modules. **Students may not commence flight training in any semester until the full Course Fee for the semester has been accounted for as detailed on the previous pages PLUS the full estimated flight training fees for that semester have either been deposited into the BCV Trust Account or the required agreement for regular monthly payments has been signed.** The estimated module fee has been set at the cost of the flight training – including flight briefings – for that module (as detailed in the flight training syllabus). **It should be noted that some students may require additional hours and funds to complete a module.** In this case, the additional costs will be charged at the rates stipulated in the student’s Flight training Agreement.

MODULE #	CONTENT	MINIMUM HOURS	AIRCRAFT	ESTIMATED MODULE FEE
1	To first solo	12.8D 0.2S	C 172 C 172	\$ 3,650
2	First solo to area solo	4.6D 4.0S	C 172 C 172	\$ 1,975
3, 4	Area solo to GFPT	7.2D 6.0S 1.0 Sim 1.5 Test	C 172 C 172 Sim C 172	\$ 3,750
5, 6	GFPT to PPL	17.9D 5.2S 2.0 Sim 3.0 Test	C 172 C 172 Sim C 172	\$ 6,840
7	PIC (Pilot in Command)	15.0S	C 172	\$ 2,475
8	PIFR Sim	4.0 Sim	Sim	\$ 800
9,10	NVFR (incl. 3.0 night IFR) NVFR Test	4.0D 1.0S 2.0 Test	C 172 Test	\$ 1,925
11	PIFR Sim	6.0D Sim 3.0 D	Sim C172	\$ 1,965
12	PIFR Test	2.5D	C172	\$ 620
13	206 Endorsement	4.5D	C 206	\$ 1,770
14	Remote Area Safari • VFR Solo • PIFR Accommodation/sundries	3.5D 9.0S 5.0D	C206 C 172 C 172	\$ 4,330 \$ 400
15	PIC NVFR/IFR	27.0S 3.0S	C 172 C 206	\$ 5,325
16, 17	Command Instrument Rating CIR Test	7.5 Sim 8.5D 2.5D	Sim C 172	\$ 4,410
18, 19	CPL CPL Test	10.0D 3.5 D	C 206 C 206	\$ 5,560
20	Advanced Training	1.0 Sim 4.5D 4.5D	Sim C 172 C 206	\$ 3,530
Airport & Airways Fees, Night Flying Loading				\$ 1,005
Ground School				\$ 2,640
TOTAL				\$52,970

CURRENT HOURLY RATES AT TIME OF PUBLICATION

	<u>SOLO</u>	<u>DUAL</u>
C.172	\$165 / hour	\$240 / hour
C.206	\$290 / hour	\$365 / hour
Simulator		\$125 / hour

NOTE 1. These rates are current rates provided by MAF at the time of publication and may be subject to change.
2. The above estimates do not include CASA charges for the issue of licences/ratings.