



MAJOR CHOSEN: AIRCRAFT MAINTENANCE

I. A BRIEF DESCRIPTION OF THE MAJOR

This major leads to an Associate of Applied Science degree and prepares you for *Federal Aviation Administration* certification, in which our students have scored consistently above the national average in both the airframe and powerplant examinations. This course of study will prepare you for aircraft maintenance on private, business, airline, or missionary aircraft.

II. COURSE HIGHLIGHTS

Here are some of the courses you will especially enjoy:

Reciprocating Engines I - Overhaul #1 BJU students have the opportunity to work on live projects. In this class you will clean, disassemble, inspect, repair, reassemble, test, and overhaul engines.

Aircraft Landing Gear Systems In this class you will learn to inspect and repair both fixed and retractable landing gears. This includes everything from tires and brakes to hydraulic cylinders and gear boxes.

III. A TYPICAL YEARLY COURSE SEQUENCE

This is a suggested program of study for you. Other refinements to your program can be made when you consult your faculty advisor at the time of your enrollment.

You will notice that some courses are listed as electives. These electives give you the opportunity to tailor your program by selecting courses you would like to take for your own personal enjoyment.

After completing the Associate of Applied Science degree in Aircraft Maintenance, you have the options of pursuing the Bachelor of Science degree in Aviation Management, Missionary Aviation, or the Bachelor of Arts degree in Practical Christian Training.



First Year

Orientation	1
English	3
Methods of Bible Study	2
Aircraft Drawings	1
Weight & Balance	1
Ground Operation & Servicing	1
Cleaning & Corrosion Control	0
Maintenance Forms & Records	0
Maintenance Publications	1
Mechanic Privileges/Limitations Plus Review ..	1
Applied Math	<u>3</u>
Total	14

First Summer

Reciprocating Engines	5
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Second Year

Basic Speech Skills I	3
Christian Doctrines	3
Engine Instrument Systems.....	1
Engine Fire Protection Systems	0
Lubricating Systems.....	1
Ignition Systems.....	2
Propellers	2
Unducted Fans	<u>0</u>
Total	12

Second Summer

Sheet Metal Structures	3
Assembly & Rigging	<u>2</u>
Total	5

Third Year

The Pentateuch.....	3
Christian Family Forum.....	1
Welding.....	1
Aircraft Instrument Systems	0
Aircraft Fuel Systems.....	1
Aircraft Electrical Systems	3
Ice- & Rain-Control Systems	1
Fire Protection Systems	1
Biblical Missions Elective.....	<u>2</u>
Total	13

Orientation	1
English	3
The Gospels	2
Basic Electricity	3
Fluid Lines & Fittings	1
Applied Physics	3
Materials & Processes	<u>2</u>
Total	15

Turbine Engines	4
Engine Inspection	<u>1</u>
Total	5

Basic Speech Skills II	3
Christian Doctrines	3
Engine Electrical Systems.....	2
Fuel Metering Systems.....	2
Engine Fuel Systems	1
Induction System.....	1
Engine Cooling Systems	1
Engine Exhaust Systems	0
Auxiliary Power Units.....	<u>0</u>
Total	13

Aircraft Wood Structures/Covering/Finishes	4
Cabin Atmosphere Control Systems	<u>1</u>
Total	5

Practical Psychology	2
Personal Evangelism	1
Airframe Inspection	1
Aircraft Landing Gear Systems	2
Communication & Navigation Systems	1
Hydraulic & Pneumatic Power Systems	3
Position & Warning Systems	0
Bible Elective	<u>2</u>
Total	12



IV. FACILITIES, EQUIPMENT, AND OPPORTUNITIES

You will study in spacious hangar and classroom facilities designed for aircraft maintenance located at the Greenville Downtown Airport just 3 miles from the main campus. These facilities have 12,000 square feet and are well equipped for all phases of aviation maintenance instruction.

Opportunities for "hands on" experience will include working on a Cessna 210 and a Turbine Commander. Opportunities to work on other aircraft owned by Bob Jones University are offered through internships.

In addition to class work, you will have opportunities for field trips to airports, commercial repair facilities, and parts manufacturing plants; and you will also be able to share experiences with missionary pilot mechanics who are home on furlough.

Chapel is a central feature of Bob Jones University. This 35-minute service is held every morning, Monday through Thursday. These services are a source of great inspiration to students. Four days a week the Chapel message is brought by the President or by selected speakers. Each Friday the Chapel period is devoted to the meetings of various literary societies.

The annual spring Bible Conference is one of the outstanding features of the University and Academy year. Your regular academic work will be suspended for the Conference, during which you will hear messages from outstanding Bible teachers, pastors, and evangelists.

The Mack Library, with 90,000 square feet of floor space and seating for over 1,300 students, gives you access to 294,000 volumes, 1,100 current periodical subscriptions, and more than 17,000 music, speech, and language recordings. Mack Library offers access to over 65 electronic databases on the library web site. An interlibrary loan program is available through OCLC, a national database, for books not held in our library. Other prominent features include the Jerusalem Chamber, a replica of the room in Westminster Abbey in London in which work was accomplished on the 1611 King James Bible, and the University Archives Room which displays materials about the Founder and history of the University.

All students have opportunity to participate in the University's athletic program. Through a well-integrated program of intramural athletic competition, a very high percentage of student participation is possible. You will have the opportunity to compete in a wide variety of both team and individual sports including soccer, basketball, softball, track, volleyball, tennis, swimming, badminton, table tennis, racquetball, archery, and wrestling.

Davis Field House, with over 87,000 square feet and seating for 3,000 people, contains 4 full-sized courts; auxiliary courts; indoor and outdoor tracks; swimming pool; café; and a fitness center with fully-equipped exercise room, aerobic room, sauna, and whirlpool.

Completely equipped computer laboratories are available for your use. There are many academic computer labs conveniently located all over campus. They consist of various types of PCs, Apple PowerMacs, and laser printers and are all interconnected via a Novell computer network.



If you are planning to live on campus, you will be glad to know that all of our residence halls are air-conditioned, have wall-to-wall carpeting, and have a phone in each room. You will be able to make long-distance calls directly from your room and have them automatically placed on your school bill. Computer network connectivity is available in all residence halls, as well.

All of our classrooms are air-conditioned. The Dining Common serves 8,500 delicious meals a day, and the Snack Shop and Bookstore in the Student Center carry just about anything you'll need.

You will find the finest Christian young people in the country are your fellow students, and without trying too hard, you may end up making a life-long friend!

V. ABOUT THE FACULTY

Our faculty members in the aircraft maintenance program are highly qualified. They have extensive experience as FAA licensed mechanics and in various areas of aircraft maintenance. They have more than 20 years experience in aircraft maintenance and more than 10 years experience in teaching aircraft maintenance. They are qualified for the *Inspection Authorization (IA)* for annual inspections, major repairs, and alterations, and one is authorized by the FAA as *Designated Mechanic Examiner* to give the oral and practical tests and issue Mechanic Certificates for Airframe and Powerplant.

VI. CAREER OPPORTUNITIES AND PLACEMENT

Our graduates have gone into several fields, including general aviation maintenance, corporate maintenance, Air National Guard, commercial airlines, and missionary aviation.

VII. BJU: AN AFFORDABLE EDUCATION

Enclosed is an expense sheet detailing the cost of attending Bob Jones University. When you compare our charges to those of other private colleges, we think you will be pleasantly surprised. We believe we offer a student more value for his dollar than anyone else in America. And to help you see how affordable "the Opportunity Place" can be for you, we have enclosed a financial aid brochure that you can use to evaluate your own situation. Your Admissions Counselor or the Director of Student Financial Aid would be happy to discuss this with you if you have any questions.

HOW TO TAKE THE NEXT STEP . . .

If you can see yourself in the career described in the profile, then a great opportunity awaits you at Bob Jones University. It is the opportunity for the premier Christian college experience in all the world. It is the opportunity for learning, for fun, and for developing new friendships. It is the opportunity to prepare for a lifetime of service for the Lord . . .

The Opportunity Place . . . God's Special Place for You.