



MAJOR CHOSEN: BUSINESS

(Aircraft Maintenance Concentration)

I. A BRIEF DESCRIPTION OF THE MAJOR

This major prepares you for a career in aviation management. An integration of courses in aviation mechanics and management meets this objective. You will be able to use these skills in both general and commercial aviation.

II. COURSE HIGHLIGHTS

Here are some of the courses you will especially enjoy:

Principles of Management In this course you will develop an understanding of how the management process actually works. You will learn how to plan, organize, direct, and control the process of management; and you will develop an appreciation for the roles of leadership and communication in the management field.

Fixed Base Operation Management Here you will be able to examine the business practices for operating a maintenance facility at a local airport.

Airport Management This class will allow you to examine the practices and policies of airport planning and management. It will provide you the opportunity to observe the operation of a major commercial airport.

Corporate Finance Here you will learn the principles and techniques of financial analysis and long-term financing. You will also be able to study the workings of capital management and budgeting.

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.



Freshman

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	3
Introduction to Business.....	<u>3</u>
Total	17

Orientation	1
English	3
The Gospels	2
Basic Electricity	3
Fluid Lines & Fittings	1
Materials & Processes	2
Applied Physics.....	3
Human Resources Management.....	<u>3</u>
Total	18

First Summer

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

Sophomore

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	0
Basic Accounting I	<u>3</u>
Total	15

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	0
Basic Accounting II	<u>3</u>
Total	16

Second Summer

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

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

Junior

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.....	2
English	<u>3</u>
Total	16

Practical Psychology	2
Personal Evangelism	1
Airframe Inspection	1
Aircraft Landing Gear Systems	2
Hydraulic & Pneumatic Power Systems	3
Communication & Navigation Systems	1
Position & Warning Systems	0
Baccalaureate Mathematics Elective.....	3
Bible Elective	2
Marketing or Management Principles	<u>3</u>
Total	18



Third Summer

Psychology.....	3	Mathematics of Finance	3
History of Civilization	<u>3</u>	History of Civilization	<u>3</u>
Total	6	Total	6

Senior

Principles of Macroeconomics.....	3	Principles of Microeconomics	3
Management Policies	3	Legal Environ. & Ethics of Business	3
Fixed Base Operations Management.....	3	Airport Management	3
Small Business Finance	3	Corporate Flight Department Management.....	3
Principles of Marketing / Management.....	3	Elementary Statistics.....	3
Upper-Level Bible Elective	<u>2</u>	Upper-Level Bible Elective	<u>2</u>
Total	17	Total	17

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 twin-engine Turbine Aero 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.

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.

Three computer laboratories are maintained for the use of business students. These laboratories are equipped with 90 laptop computers, 4 laser printers, and 1 color scanner.

The Dixon-McKenzie Dining Common contains four dining rooms with a total seating capacity of 3,300, allowing over 8,500 meals to be served each day. The Varsity Room, where the students are served, is one of the largest dining rooms of its kind in the nation. The basement of the Dining Common has the space to store over 20 railroad cars of food.

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 many exciting 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 done 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, and indoor soccer.

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.

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.



The management faculty has a wide range of business experience, including internal auditor for a large corporation, sales development specialist, district sales manager, bank branch manager, etc. They also have dedicated their abilities to Christian service in such areas as working as a business teacher in a Christian high school and serving on budget committees and deacon boards in various churches. All of the faculty members have earned advanced degrees in the field of business administration, and they have an average of six years of teaching experience.

VI. CAREER OPPORTUNITIES AND PLACEMENT

As a graduate of this program, you will have the initial skills needed to qualify for a career in aircraft maintenance in general aviation or commercial aviation. These skills will also prepare you to work as an aviation mechanic in a missionary aviation program. The business and management training will prepare you to enter or advance more quickly into management positions within a company. You would also have training that would allow you to start your own business in aircraft maintenance. This training will also give you further opportunities in airport management or managing a fixed based operation.

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.