

## Bachelor of Science in Aviation Sciences (BIC)

*A Suggested Sequence of Required Courses (2010-2011 Catalog)*

F r e s h m a n Y e a r			
Fall		Spring	
_____ 0	Chapel (CHA 1088)	_____ 0	Chapel (CHA 1088)
_____ 3	MTH 1321 (see reverse) Calculus I	_____ 3	MTH 1322 or STA 2381
_____ 3	BIC 1314 World Cultures I	_____ 3	BIC 1324 World Cultures II
_____ 4	BIC 1413 Rhetoric II	_____ 3	BIC 1323 Rhetoric II
_____ 3	<b>AVS 1300 Intro to Aviation</b>	_____ 4	<b>AIRP 1451</b> (See TSTC below) <b>Instrument Ground</b>
_____ 2	BIC 1212 Examined Life I	_____ 3	<b>AIRP 2331</b> (See TSTC below) <b>Adv. Aviation Meter.</b>
Total: 15		Total: 16	
S o p h o m o r e Y e a r			
Fall		Spring	
_____ 3	BIC 2330 Social World I	_____ 3	BIC 2340 Social World II
_____ 3	BIC 2334 World Cultures III	_____ 3	BIC 2344 World Cultures IV
_____ 2	<b>AIRP 1215*</b> (See TSTC below)	_____ 4	CHE 1301/1101 Chemistry I
_____ 3	<b>AIRP 1301</b> (See TSTC below) <b>Air Navigation</b>	_____ 3	CSS 1301 or 1302
_____ 4	<b>AIRP 1417</b> (See TSTC below) <b>Priv. Pilot Ground Sch.</b>	_____ 3	<b>AIRP 1255*</b> (See TSTC below) <b>Intermediate Flight</b>
Total: 15		Total: 16	
S u m m e r			
First		Second	
_____ 4	Foreign Language (see reverse)	_____ 4	Foreign Language (see reverse)
_____ 3	<b>AIRP 2333</b> (See TSTC below) <b>Aircraft Sys.</b>		
Total: 7		Total: 4	
J u n i o r Y e a r			
Fall		Spring	
_____ 3	<b>AVS 3311 Aviation Safety</b>	_____ 4	PHY 1408 or 1420 Physics I
_____ 3	<b>AVS 4311 Meteorology</b>		
_____ 1	Human Performance	_____ 3	CSI 3303 (spring only) Info. Technology
_____ 2	<b>AIRP 2250*</b> (See TSTC below) <b>Instrument Flight</b>	_____ 3	BIC 3358 Biblical Heritage/Ethics
_____ 3	<b>AIRP 2337</b> (See TSTC below) <b>Comm. Ground School</b>	_____ 1	Human Performance
_____ 2	<b>AIRP 2239*</b> (See TSTC below) <b>Commerical Flight</b>	_____ 3	<b>Advanced hour AVS elective</b>
Total: 14		Total: 14	
S e n i o r Y e a r			
Fall		Spring	
_____ 3	<b>AVS 3310 Aviation Law</b>	_____ 3	Advanced Elective
_____ 3	<b>Advanced hour AVS elective</b> (fall only)	_____ 3	<b>Advanced hour AVS elective</b>
_____ 2	<b>AIRP 2251*</b> (See TSTC below) <b>Multiengine Flight</b>	_____ 2	<b>AIRP 2236*</b> (See TSTC below) <b>Cert. Flight Instructor</b>
_____ 3	<b>AVS 4315 Adv. Aerodynamics</b>	_____ 3	<b>AIRP 2349</b> (See TSTC below) <b>Instructor Ground Sch.</b>
_____ 3	Advanced Elective	_____ 3	<b>AVS 4314 Adv. Aircraft Systems</b>
Total: 14		Total: 14	

*All students must graduate with a minimum of 124 hours,  
36 of which must be at the 3000/4000 level.*

### Notes about major requirements:

- Baylor Institute for Air Sciences offers a four-year undergraduate program developed specifically for people who wish to pursue careers in aviation. Each graduating student will receive a Bachelor of Science in Aviation Sciences and will have earned their Commercial Pilot License with Multi-engine and Intrument Ratings, along with a Certified Flight Instructor License.
- This program is offered in conjunction with the Texas State Technical College (TSTC) at Waco, and those students who complete their flight training and ground school at TSTC may also gain an associate's degree in Aircraft Pilot Training.
- Not all classes are offered every semester, therefore, the AVS and AIRP classes are listed under the particular fall or spring semesters they are offered.
- TSTC - these classes will be taken at the TSTC campus.
- \* - the asterisk denotes flying classes (special flight fees apply)
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
- For more information, see the undergraduate catalog.

**Please see reverse side for important information on general requirements.**

**Notes about General Requirements:**

- Course selection is subject to availability within each semester.
- Please keep in mind that this is only a suggested sequence. Actual sequence will vary according to possible second major, minor, other program of study (including pre-health), and individual circumstances (ex., transfer credit, dual credit, and credit by exam).
- In order to complete your degree, you must fulfill all requirements in your major and general requirements for the Bachelor of Science; refer to your audit for specific details.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see your undergraduate catalog.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

**Foreign Language:**

- **Option A:** One modern language through 1402 level:  
Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Swahili
- **Option B:** One classical language through 1302 or 1402 level:  
Latin, Greek, Hebrew (If available, Akkadian, Aramaic, Syriac, and/or Ugaritic may be used)

**Math:** You may need to take MTH 1304 (Pre-Cal) as a prerequisite to MTH 1321 (Calculus) if you do not already have an equivalent credit for Pre-Cal or cannot register for Calculus based on SAT/ACT scores. You will need to contact the Math Department (254-710-3561) about the Math Placement Exam (MPE) if you cannot register for MTH 1321 based on any of the above methods of entrance.