Bachelor of Science in Aviation Sciences – Aircraft Dispatch Concentration

The Aircraft Dispatch concentration of the Bachelor of Science in Aviation Science degree is for students wanting a career dealing with the safety and control of commercial flight operations. Those students who select the Aircraft Dispatch concentration will complete the necessary requirements to take FAA Dispatch Written Exam and the oral practical exam. Successful completion of these exams leads to FAA Aircraft Dispatcher certification. This program is offered in conjunction with the Texas State Technical College (TSTC) at Waco and requires Baylor students to apply to TSTC.

Bachelor of Science in Aviation Sciences – Aircraft Dispatch Concentration...124 hrs total

I. Basic Requirements.................................................................51 to 52 hrs

A. Chapel (CHA)
   • Two semesters of CHA 1088 (no credit hours)

B. Cultural Events Experience (CEE)
   • Four semesters of CEE 1001 (no credit hours)

C. English (ENG) - 3 hrs
   • ENG 2310 American Literary Cultures

D. History (HIS) - 3 hrs
   • HIS 1300 The United States in Global Perspective

E. Political Science (PSC) - 3 hrs
   • PSC 2302 The US Constitution

F. Religion (REL) - 6 hrs
   • REL 1310 Christian Scriptures
   • REL 1350 Christian Heritage

G. Courses Selected from Distribution Lists - 18 hrs
   • Communications and Media Literacy – 3 hrs
   • Contemporary Social Issues – 3 hrs
   • Fine Arts and Performing Arts – 3 hrs
   • Formal Reasoning – met in Sec III
   • Literature in Context – 3 hrs
   • Research Writing – 3 hrs
   • Scientific Method I: Course with Lab Experience – met in Sec III
   • Scientific Method II: Grand Challenges in Science – 3 hrs
H. Foreign Language and Culture - 8 to 9 hrs

- OPTION ONE: (two courses) 8 hours selected from intensive language courses in German or Spanish (both courses must be from the same language and both must be completed in residence): 1412 and 2412.

- OPTION TWO: (three courses)
  - 3 hours from: 2310 level course (or equivalent) from Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Portuguese, Russian, Spanish, or Swahili
  - 6 additional hours from the Foreign Language and Culture distribution list.

- OPTION THREE: (three courses)
  - 6 hours from 1302 courses from Latin, Greek, Hebrew, or Aramaic
  - 3 additional hours from the Foreign Language and Culture distribution list.

I. Lifetime Fitness (LF) - 1 hr

- Any activity course

J. Advanced Electives (3000 or 400 level classes in any discipline) - 6 hrs

K. Elective - 3 hrs

II. Air Pilot, Aviation Management, and Aviation Science Courses..............................59 hrs

A. Air Pilot (AIRP) & Aviation Management (AVIM) courses from TSTC - 15 hrs

- AVIM 1470 Fundamentals of Air Traffic Control
- AIRP 1372 Dispatch Resource Management
- AIRP 2452 Practical Dispatching I
- AIRP 2453 Practical Dispatching II

B. Aviation Science (AVS) courses from Baylor - 44 hrs

- Required Courses – 35 hrs
  - AVS 1300 Introduction to Aviation
  - AVS 1301 Air Navigation
  - AVS 1313 Introduction to Meteorology
  - AVS 1417 Private Pilot Ground School
  - AVS 1451 Instrument Ground School
  - AVS 2337 Commercial Ground School
  - AVS 3310 Aviation Law
  - AVS 3311 Aircraft Accident Investigation and Prevention
  - AVS 3315 Aviation Meteorology
  - AVS 4314 Advanced Aircraft Systems
  - AVS 4315 Aerodynamics

- Elective Courses – 9 hrs (Choose 3 courses)
  - AVS 3320 Flight Crew Career Development
  - AVS 3350 Introduction to Space Weather
  - AVS 3370 Aviation Leadership
  - AVS 4305 Special Topics in Aviation
  - AVS 4310 Aviation Management
  - AVS 4311 Meteorology (GEO 4314)
  - AVS 4318 Avionics Systems Design (ELC 4318)
  - AVS 4323 The Environment and Economic Analysis (ENV 4323)
  - AVS 4375 Crew Resource Management
  - AVS 4377 Airport Management
  - AVS 4386 Remote Sensing (GEO 4386)
  - AVS 4390 Internship in Aviation
  - AVS 4485 Introduction to Geographic Information Systems (GEO 4485)
  - AVS 4487 Advanced GIS Analysis (GEO 4487)
III. Required courses in other fields

- Computer Science (CSI) 3303 or 3305 or 4301 Information Technology
- Math (MTH) 1321 Calculus I (prereq: Grade of C or better in MTH 1320 (Pre-calculus) or satisfactory performance on departmental placement exam)
- MTH 1322 Calculus II OR Statistics (STA) 2381 Introductory Statistical Methods (Prereqs: C or better in MTH 1321)
- Physics (PHY) 1408 General Physics for Natural Sciences I (Algebra Based) OR 1420 General Physics I (Calculus-based)