

# BIG BEND COMMUNITY COLLEGE

## AVIATION

### AVIATION – COMMERCIAL PILOT



The Commercial Pilot Training program combines course work in flight training along with other ground school courses to prepare students for obtaining a commercial pilot certificate with instrument rating. To meet these requirements, most students require more than six quarters to complete the training. Because of this need, classes are scheduled each summer quarter. Additional ratings for flight instructor, instrument flight instructor, multi-engine, and seaplane may be earned through special arrangements (usually the eighth quarter). Students that complete the program earn their ratings as well as the Associate of Applied Science (AAS) degree. Special departmental rules and procedures stated in the BBCC Professional Pilot Course Handbook apply to this program.

#### Associate in Arts and Science (AA&S) Transfer Option

Because most airlines and major corporations give hiring preference to pilots with a four-year degree, most aviation students choose to obtain the two-year transfer degree in order to complete their Bachelors' degree. This gives BBCC flight students more options and the flexibility to choose from a broader list of academic subjects in which to major. Flight students choosing this degree option will have to take more credit hours to graduate than other non-flight students. If some of the basic education requirements have pre-approved substitutions, and all course requirements are met, it is possible for the commercial pilot student to receive both the AA&S and the AAS degrees during the program.

#### ENTRY REQUIREMENTS

- Complete Admissions and Placement processes
- Meet ALL entry requirements outlined in Section 1.1 of the BBCC Professional Pilot Course Handbook
- Meet with AVF Flight Instructor/Advisor

#### DEGREE REQUIREMENTS

##### Related Instruction

##### Equivalent Courses for AA&S Transfer Degree

- CMST& 220 – Public Speaking (5)
- ENGL& 101 – Composition I (5)
- FAD 150 – Industrial First Aid & CPR (2) (optional)
- MATH& – Any College-Level SQR course (5)
- PSYC& 100 – General Psychology (5) or SOC& 101 – Introduction to Sociology (5)

##### Associate of Applied Science (AAS) Requirements

- CMST 100 – Human Communications (4)
- ENGL 109 – Applied Technical Writing (3)
- FAD 150 – Industrial First Aid & CPR (2)
- MAP 104 – Applied Mathematics (AVF) (4)
- BUS 120 – Human R elations of the Job (4)

##### Additional courses for AA&S Transfer Degree

- ENGL& 102 – Composition II (5) or ENGL& 235 – Technical Writing (5)
- Humanities (10)
- Social Sciences (10)
- Math/Science (10)
- Physical Education/Health/Wellness (3)

##### FAA Approved Program Core

- AVF 111 – Preflight Ground School (1)
- AVF 112 – Private Pilot Ground School (5)
- AVF 113 – Meteorology (5)
- AVF 114 – Theory of Flight (5)
- AVF 117 – Aviation Emergency Preparedness (1) or Flight Physiology (offered by CWU)
- AVF 141 – Private Pilot Flight (Stage 1) (4)
- AVF 142 – Private Pilot Flight (Stage 2) (4)
- AVF 143 – Private Pilot Flight (Stage 3) (4)
- AVF 221 – Commercial Pilot Ground School (5)
- AVF 223 – Instrument Ground School (5)
- AVF 251 – Commercial Pilot Flight (Stage 4) (4)
- AVF 252 – Commercial Pilot Flight (Stage 5) (4)
- AVF 253 – Commercial Pilot Flight (Stage 7) (4) Flight
- AVF 254 – Night Flying (1)
- AVF 261 – Commercial Pilot Flight (Stage 6) (4)
- AVF Advisor approved electives, transfer courses and/or courses for FAA ratings (16)

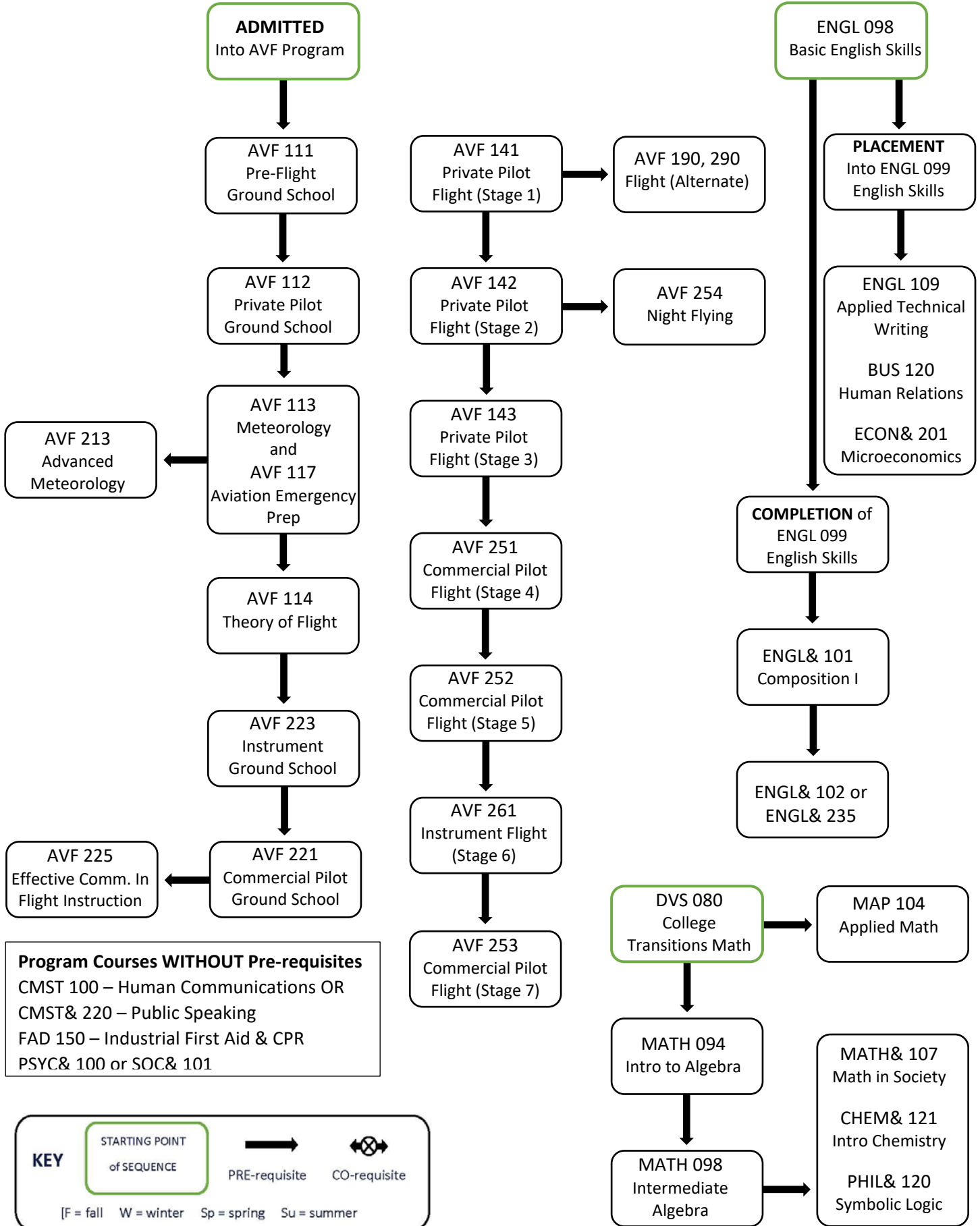
90 TOTAL DEGREE CREDITS

NAME:

SID:

## AVIATION – COMMERCIAL PILOT PRE-REQUISITE FLOW CHART

Start by talking with your assigned advisor to determine which courses to take first based on your placement scores.









NAME: \_\_\_\_\_

SID: \_\_\_\_\_

**Big Bend Community College  
WORKFORCE EDUCATION PROGRAM REQUIREMENTS  
Associate in Applied Science Degree**

**Credit Requirement:** Completion of the total credit requirements of the approved Workforce Education Program Plan. Minimum of 90 quarter hours. It is the student's responsibility to insure that he/she meets all of the technical and general education degree requirements.

**MATHEMATICS REQUIREMENT:** 3-5 credits\* in mathematics courses as stated in the approved Professional/Technical Program Plan.

BUS 102	Business Mathematics
MAP 100	Applied Mathematics (AMT)*
MAP 101	Applied Mathematics (AUT/WLD)
MAP 103	Applied Mathematics (MMT/LET)
MAP 117	Applied Mathematics for Workforce I
MAP 119	Applied Mathematics for Workforce II
MATH& 107	Math in Society
MATH& 141	Pre-calculus I
MATH& 146	Intro to Statistics
MATH 147	Finite Mathematics
*AMT program requires two MAP 100 credits	

**WRITTEN COMMUNICATIONS REQUIREMENT:** 3-5 credits in written communications courses as stated in the approved Professional/Technical Program Plan.

BUS 121	Business English
ENGL& 101	English Composition I
ENGL 109	Applied Technical Writing

**ORAL COMMUNICATIONS REQUIREMENT:** 3-5 credits in oral communications courses as stated in the approved Professional/Technical Program Plan.

AVF 225	Effective Communications in Flight Instruction
CMST 100	Human communications
CMST& 210	Interpersonal Communications
CMST& 220	Public Speaking

**HUMAN RELATIONS REQUIREMENT:** 3-5 credits in human relations courses as stated in the approved Professional/Technical Program Plan.

BUS 120	Human Relations on the Job
EDUC& 115	Child Development
PSYC& 100	General Psychology
SOC& 101	Intro to Sociology

**INDUSTRIAL FIRST AID REQUIREMENT:** 2 credits in Industrial First Aid or equivalent or higher certification as stated in the approved Professional/Technical Program Plan.

FAD 150	Industrial First Aid and CPR plus Bloodborne Pathogens
Current First Aid/CPR, First Responder, or EMT card	

Student Name \_\_\_\_\_ SID # \_\_\_\_\_

Approval: \_\_\_\_\_

Advisor \_\_\_\_\_ Date \_\_\_\_\_

Program Completion Approval: \_\_\_\_\_

Dean of Workforce Education \_\_\_\_\_ Date \_\_\_\_\_

Each program must be approved by the Workforce Education program advisor. Program changes and substitutions must be approved by the program advisor prior to application for degree.