

Aviation Technology—Professional Pilot Major Degree Plan

Aviation Technology—Professional Pilot graduates are trained to be commercial pilots. The degree requirements include completion of the following FAA licenses: private, instrument, commercial, CFI, CFII, and Multi-Engine. The suggested semester schedule for this degree is as follows:

Freshman Year (30 credits)

Fall Semester (15 credits)

AV 1100 The Aviation Profession	1
AV 1130 Flight Principles.....	2
AV 2330 Private Pilot Ground School.....	4
AV 2350 ⁴ Private Pilot Certification	1
MATH 1050 (QL) ⁶ College Algebra	4
University Studies Breadth American Institutions (BAI) course.....	3

Spring Semester (15 credits)

AV 2170 Aircraft Systems.....	2
AV 2510 ⁴ Intermediate Flight.....	1
ENGL 1010 (CL1) Introduction to Writing: Academic Prose	3
ETE 2300 (QI) ⁵ Electronic Fundamentals	4
MATH 1060 Trigonometry	2
Elective courses	3

Sophomore Year (31 credits)¹

Fall Semester (16 credits)

AV 2180 Aircraft Hydraulic and Pneumatic Systems.....	2
AV 2520 ⁷ Instrument Pilot Ground School.....	4
AV 2540 ⁴ Instrument Pilot Certification I.....	1
MATH 1100 (QL) ⁵ Calculus Techniques	3
PSC 2000 (BPS) ³ The Atmosphere and Weather	3
University Studies Breadth Life Sciences (BLS) course.....	3

Spring Semester (15 credits)

AV 2430 Aircraft Electrical Systems and Components.....	2
AV 2550 ⁴ Instrument Pilot Certification II.....	1
ENGL 2010 (CL2) Intermediate Writing: Research Writing in a Persuasive Mode.....	3
PSC 3250 ⁷ Aviation Weather.....	3
Any Communications Intensive (CI) approved course	3
University Studies Breadth Humanities (BHU) course	3

Junior Year (31 credits)

Fall Semester (15 credits)

AV 2620 Commercial Pilot Ground School.....	2
AV 2660 ⁴ Commercial Pilot Certification	1
AV 3010 National Airspace, Air Traffic Control, and Airport Administration.....	3
AV 3120 Aviation Law.....	3
AV 3140 Advanced Avionics Systems and Flight Simulation	3
University Studies Breadth Creative Arts (BCA) course.....	3

Spring Semester (16 credits)

AV 2720 CFI and CFII Ground School	3
AV 2880 ⁴ Multi-Engine Certification.....	1
AV 4490 Human Factors in Aviation Safety.....	3
AV 5400 Regional Jet Ground School I.....	4
MGT 3110 (DSS) ^{2,3,8} Managing Operations and People	3
Elective course(s).....	2

Senior Year (34 credits)

Fall Semester (17 credits)

AV 2740 ⁴ CFI Certification.....	1
AV 4280 Airline Management	3
AV 4660 (CI) Flight Senior Project	3
AV 5410 Regional Jet Ground School II.....	4
Elective course(s).....	3
University Studies Breadth Social Sciences (BSS) course	3

Spring Semester (17 credits)

AV 2860 ⁴ CFII Certification.....	1
AV 5420 Advanced Regional Jet Simulation	3
PHYS 1800 (BPS) ³ Physics of Technology	4
Upper-division elective courses ²	6
University Studies Depth Humanities and Creative Arts (DHA) course.....	3

¹Completion of the Computer and Information Literacy (CIL) exams with passing grades is required by the end of the sophomore year, because it is a prerequisite for all AV classes numbered 3000 and above.

²Approved upper-division electives are: AV 4250, 4300; INST 5205, 5230; MGT 3510, 3520, 3710, 3820, 4630; MIS 4350, 4550; PHIL 3520; PSY 4240; SOC 3320, 3500. For Dual Majors in Business only, the following upper-division electives are approved: FIN 3400; MGT 3500, 3700. For information about ROTC classes which may apply, students should contact their advisor.

³MGT 3110 fulfills the University Studies Depth Social Sciences (DSS) requirement. PHYS 1800 fulfills the University Studies Breadth Physical Sciences (BPS) requirement. PSC 2000 fulfills the University Studies Exploration requirement.

⁴Depending on weather and other factors, flying courses may be taken during semesters other than those indicated. It is imperative that students work with their advisors and flight instructor to determine the best arrangement for these courses.

⁵MATH 1050 is a prerequisite for ETE 2300 and MATH 1100.

⁶A Math ACT score of 23 or higher is required to enroll in MATH 1050. If Math ACT score is between 18 and 22, student should enroll in MATH 1010 first. If prerequisites are *more than one year old*, the Math Placement Test will be required.

⁷Students should take PSC 2000 prior to taking AV 2520 and PSC 3250.

⁸All students must have a cumulative GPA of at least 2.67 and have major status in order to be admitted to Huntsman School of Business classes.

Students must complete a total of 40 credits of stipulated upper-division coursework.