

DEPARTMENT OF ENGINEERING AND AVIATION SCIENCE
AVIATION SCIENCE CURRICULUM

Student Name: _____ Student Number: _____

Recommended Course Sequence - Professional Pilot Concentration (Fall 2023 -)

FRESHMAN YEAR													
First Semester						Second Semester							
Course	Course Title / Area		Credits	Sem	Min. Gr	Act Gr.	Course	Course Title / Area		Credits	Sem	Min. Gr	Act Gr.
GNST 100	First Year Experience		VI	1	C		AVSC 152	Meteorology & Env. Issues		CR	3		C
AVSC 112	Aviation Fundamentals		CR	3	C		AVSC 143	Private Pilot Flight I*		CN	1		S
AVSC 131	Air Transportation		CR	3	C		AVSC 153	Private Pilot Flight II*		CN	2		S
AVSC 141	Private Pilot Ground Lab		CN	1	C		ENGL 102	Basic Composition II		V	3		C
ENGL 101	Basic Composition I		V	3	C		MATH 109	College Algebra		IV	3		C
SOCI 101	Intro. to Sociology		II	3	D		EXSC 111	Personalized Health Fitness		VI	3		D
Total				14			Total				15		
SOPHOMORE YEAR													
First Semester						Second Semester							
Course	Course Title / Area		Credits	Sem	Min. Gr	Act Gr.	Course	Course Title / Area		Credits	Sem	Min. Gr	Act Gr.
AVSC 201	National Airspace System		CR	3	C		AVSC 202	Air Traffic Control		CR	3		C
AVSC 241	Aviation Safety		CR	3	C		AVSC 231	Airline Management I		CR	3		C
AVSC 161	Instrument Rating Ground		CN	3	C		AVSC 251	Commercial Pilot Ground		CN	3		C
AVSC 163	Instrument Rating Flight		CN	3	S		AVSC 252	Commercial Pilot Flight I		CN	2		S
ENGL 203	Fund. of Contemporary Speech		I	3	C			Science		III	3		D
								Science Lab		III	1		D
Total				15			Total				15		
JUNIOR YEAR													
First Semester						Second Semester							
Course	Course Title		Credits	Sem	Min. Gr	Act Gr.	Course	Course Title / Area		Credits	Sem	Min. Gr	Act Gr.
AVSC 305	Aviation Career Prep		CR	1	C		AVSC 311	Aerodynamics and Aircraft Performance		CN	3		C
AVSC 331	Aviation Law		CR	3	C		BUED 212	Computer Concepts/Aps I		S	3		C
AVSC 253	Commercial Pilot Flight II		CN	3	S		AVSC 254	Commercial Pilot Flight III		II	2		S
AVSC 302	Advanced Aircraft Systems		CN	3	C		AVSC 390	Aviation Apps of Stats and Research Design		S	3		C
ENGL 305	Technical Writing		V	3	D		PSYC 100	Intro to Psychology		II	3		D
	Science		III	3	D		MATH 110	Trig and Analytic Geom.		IV	3		D
Total				16			Total				17		
SENIOR YEAR													
First Semester						Second Semester							
Course	Course Title		Credits	Sem	Min. Gr	Act Gr.	Course	Course Title		Credits	Sem	Min. Gr	Act Gr.
AVSC 421	Aviation Psychology		CR	3	C		AVSC 441	Human Factors in Aviation		CR	3		C
AVSC 451	Certified Flight Instructor Airplane - Ground		CN	3	C		AVSC 490	Senior Capstone in Aviation		FK	3		C
AVSC 452	Certified Flight Instructor Airplane - Flight		CN	1	S			One 3 Credit Course in Foreign Language/History		I	3		D
AVSC 342	Aviation Physiology		CN	3	C			One 3 Credit Course in Art/Music/ literature		I	3		D
AVSC	Aviation Elective**		EL	3	C		AVSC 442	Safety Management**		EL	3		C
Total				13			Total				15		

I = Arts & Humanities
 II = Social & Behavioral Sciences
 III = Sciences
 IV = Mathematics
 V = English Composition
 VI = Emerging Issues

S = Supporting
 CR = Major Core
 CN = Concentration
 EL = Aviation Elective

* Students must take and pass AVSC 112/141 and the Private Pilot Knowledge Test, hold an FAA Medical, and have TSA Clearance prior to enrolling in flight training courses

** AVSC electives should be selected from the list of R-ATP approved courses to meet 60 credit requirement

Students may have grades of D in GEN ED Areas but must maintain C average in the Area