

DEPARTMENT OF ENGINEERING AND AVIATION SCIENCE
AVIATION SCIENCE CURRICULUM

Student Name: _____ Student Number: _____

Recommended Course Sequence - Professional Pilot Concentration (2016 -)

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.	
AVSC 100	FYE - Aviation	VI	1		C	AVSC 152	Meteorology & Env. Issues	CR	3		C	
AVSC 112	Aviation Fundamentals	CR	3		C	AVSC 153	Private Pilot Flight II	CN	2		S	
AVSC 131	Air Transportation	CR	3		C	ENGL 102	Basic Composition II	V	3		C	
AVSC 141	Private Pilot Ground Lab	CN	1		C	ENGL 001	English Proficiency Exam	V			S	
AVSC 143	Private Pilot Flight I	CN	1		S	MATH 110	Trig and Analytic Geom.	IV	3		D	
ENGL 101	Basic Composition I	V	3		C	SOCI 101	Intro. to Sociology	II	3		D	
MATH 109	College Algebra	IV	3		C							
Total			15			Total			14			
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	AVSC 342	Aviation Physiology	CN	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	
BUED 212	Computer Concepts/Aps I	S	3		C	PSYC 100	Intro to Psychology	II	3		D	
ENGL 305	Technical Writing**	V	3		D		Science*	III	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	
EXSC 111	Personalized Health Fitness	VI	3		D		One 3 Credit Course in Art/Music/ literature	I	3		D	
AVSC XXX	Aviation Elective***	EL	3		C	AVSC XXX	Aviation Elective***	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 6 credits of science and 1 credit of science lab (PHYS 121/123 and ENVS 101 recommended)
 ** Students must meet Junior status (60+ credits earned) to enroll in ENGL 305. ENGL 310 is also acceptable.
 *** AVSC electives should be selected from the list of R-ATP approved courses

Students may have grades of D in GEN ED Areas but must maintain C average in the Area
 Students need 12 alternative credits: Online, summer, winter, internships, independent studies.