

AVIATION FLIGHT SCIENCE (AFSJ)

College of Aviation
Western Michigan University
Bachelor of Science Degree - 123 Credit Hrs.

NAME: _____ **WIN:** _____ **CATALOG: 2019-20**

PREREQUISITES & (CO-REQUISITES)	COURSE	HRS.	GRADE/SUBSTITUTION/TRANSFER
AVS COURSES			
	AVS 1200 - Introduction to Aviation (Area VII)	3	
	AVS 1210 - Aerodynamics and Performance	2	
	AVS 1220 - Introduction to Airframes and Systems	2	
	AVS 1225 - Introduction to Aircraft Powerplants	2	
recommend taking concurrently w/AVS 1220	AVS 1230 - Aircraft Systems Laboratory	1	
recommend taking concurrently w/AVS 1225	AVS 1235 - Aircraft Powerplants Laboratory	1	
consult advisor or undergrad catalog	AVS 1510 - Professional Flight Theory I	3	
consult advisor or undergrad catalog	AVS 1520 - Professional Flight IA Lab (FEE)	1	
AVS 1520	AVS 1525 - Professional Flight IB Lab (FEE)	1	
AVS 1200	AVS 2050 - Aviation Safety	3	
AVS 2050	AVS 2060 - Flight Physiology	3	
AVS 1200, (PSY 1000)	AVS 2070 - Crew Resource Management	3	
GEOG 2250	AVS 2120 - Aviation Meteorology	3	
(AVS 1200, AVS 1210, AVS 1220, AVS 1230), AVS 1525	AVS 2510 - Professional Flight II Theory	3	
AVS 2510 & AVS 2120 (may be taken concurrently)	AVS 2520 - Professional Flight II Lab (FEE)	3	
PHYS 1070/1080, AVS 1210, AVS 1220, AVS 1230	AVS 3060 - Advanced Aerodynamics & Perf.	3	
AVS 1220, AVS 1225, AVS 1230, AVS 1235	AVS 3070 - Advanced Aircraft Systems	3	
(AVS 3070)	AVS 3080 - Advanced Aircraft Systems Lab	3	
AVS 1200 & Jr. Standing	AVS 3190 - Aviation Law	3	
AVS 1510, AVS 1520, AVS 1525	AVS 3220 - Global Navigation and Int'l Flight	3	
(AVS 2050, AVS 2060, AVS 2070), AVS 2520	AVS 3530 - Professional Flight III Theory	2	
(AVS 3530)	AVS 3540 - Professional Flight III Lab (FEE)	2	
AVS 3530, AVS 3540	AVS 3550 - Professional Flight IV Theory	2	
AVS 3540, (AVS 3550)	AVS 3560 - Professional Flight IV Lab (FEE)	2	
AVS 3060, AVS 3070, AVS 3080, AVS 3220	AVS 4110 - Airline Flight Operations	3	
(AVS 3560), (AVS 4110)	AVS 4120 - Line Oriented Flight Crew Simulation	4	
Jr. Standing	AVS 4240 - Corporate Aviation Management	3	
AVS 1200, IEE 1020, Jr. Standing	AVS 4270 - Airline Administration (Prof. 2)	4	
RELATED COURSES			
	COM 1700 - Interpersonal Communication (Prof. 4)	3	
	ECON 2010 - Principles of Microeconomics (Area V)	3	
	GEOG 1050 - Physical Geography (Area VI)	4	
GEOG 1050	GEOG 2250 - Intro. To Meteorology & Climatology	4	
	IEE 1020 - Technical Communication (Prof. 1)	3	
MATH 1110 or placement	MATH 2000 - Calculus with Applications (Prof. 3)	4	
MATH 1100 or placement	PHYS 1070 - Elementary Physics (Area VI)	4	
MATH 1100 or placement	PHYS 1080 - Elementary Physics Lab (Area VI)	1	
	PSY 1000 - General Psychology (Area V)	3	
MATH 2000	STAT 2160 - Business Statistics (Prof. 4)	3	
GENERAL EDUCATION			
	Area I - Fine Arts*	3	
	Area II - Humanities*	3	
	Area III - United States: Cultures & Issues*	3	
	Area IV - Other Cultures & Civilizations*	3	
	Area VIII - Health & Well Being	2	
	ELECTIVES (6 hrs.)	6	

* Two General Education courses must be @ the 3000+ level and no more than two courses from any one department

**Credits earned in ENGL 1000, LS 1040, and MATH 1090 are not accepted toward meeting the 123 hour requirement

***A "C" or higher is required in all AVS courses/no more than two "D" or "DC" grades allowed in non-AVS courses

ADVISOR _____ DATE _____ STUDENT _____ DATE _____