

Bachelor of Science in Aviation Study Plan (Fall Start)

Total Credits Hours: 126

First Year (Freshman)

Fall Semester			Spring Semester			
Code	Title	Prerequisite(s)	Code	Title	Prerequisite(s)	C. Hrs.
AVS101	Introduction to Aviation	No Prerequisite	ARL100	Communication Skills in Arabic I	No Prerequisite	3
ENG200	English 2	EPT/ENG102 + FWS100 (co-req.)	AVS120	Introduction to Aeronautics	AVS120L as co-requisite	3
FWS100	Academic Skills for Success	No Prerequisite	AVS120L	Introduction to Aeronautics Lab	AVS120 as co-requisite	1
ISL100	Islamic Culture	No Prerequisite	FWS205	UAE and GCC Society	ENG102 + FWS100 (co-req.)	3
ITD100	Intro. to Information and Digital Techn.	No Prerequisite	GES201	General Science	ENG102(P)	3
STT100	General Statistics	No Prerequisite	MTT101	Pre-Calculus	MTH 100 or MPT	3
		Total Credit Hours: 18			Total Credit Hours: 16	

Second Year (Sophomore)

Fall Semester			Spring Semester			
Code	Title	Prerequisite(s)	Code	Title	Prerequisite(s)	C. Hrs.
AVS209	Aerodynamics	GES201 + MTT101	GEN100	Big Data Analytics	STT100	3
AVS211	Aircraft Jet Engines	GES201 + AVS120	GEN101	Introduction to Artificial Intelligence	STT100	3
AVS254	Aviation Law	AVS101	AVS289	Airline Management	AVS101 + Comp. of 40 Cr. Hours	3
AVS287	Crew Resource Management	No Prerequisite	AVS356	Aircraft Systems I	GES201 + AVS120	3
OE1	Open Elective I	-	AVS357	Flight Physiology	GES201	3
			OE2	Open Elective II	-	3
		Total Credit Hours: 15			Total Credit Hours: 18	

Third Year (Junior)

Fall Semester			Spring Semester			
Code	Title	Prerequisite(s)	Code	Title	Prerequisite(s)	C. Hrs.
AVS310	Aircraft Performance	AVS211	AVS303	Aviation Security	Completion of 80 Credit Hours	3
AVS350	Flight Navigation	MTT101+AVS120+AVS350L as co-req.	AVS410	Air Traffic Management	AVS101 + Comp. of 50 Cr. Hours	3
AVS350L	Flight Navigation Lab	AVS350 as Co-req.	AVS411	Aircraft Systems II	AVS356	3
AVS402	Aviation Meteorology	GES201	AVS415	Airport Operations	AVS120	3
FWS305	Technical Communications for Work Place	ENG200 + Completion of 45 C. Hrs.	AVS472	Aviation Human Factors	AVS287	3
FWS310	Fundamentals of Innovation & Entrepr.	ENG200 + Completion of 60 C. Hrs.			Total Credit Hours: 15	
		Total Credit Hours: 16				

Fourth Year (Senior)

Fall Semester			Winter Semester			
Code	Title	Prerequisite(s)	Code	Title	Prerequisite(s)	C. Hrs.
AVS408	Aviation Safety	Completion of 80 Credit Hours	AVS399	Internship	Completion of 90 Credit Hours	2
AVS422	Instrument and Commercial Pilot Operations	AVS120, AVS209, AVS310, AVS402				
AVS422L	Instr./Commercial Pilot Operations Lab	AVS422 as co-req.				
OE3	Open Elective III	-				
OE4	Open Elective IV	-				
		Total Credit Hours: 13			Total Credit Hours: 2	

