Bachelor of Science in Aviation
Study Plan (Fall Start)

Total Credits Hours: 127

First Year (Freshman)

Fall Semester

Code	Title	C. Hrs.	Prerequisite(s)
AVS101	Introduction to Aviation	3	No Prerequisite
ENG200	English 2	3	EPT/ENG102 + FWS100 (co-req.)
FWS100	Academic Skills for Success	3	No Prerequisite
ISL100	Islamic Culture	3	No Prerequisite
ITD100	Intro. to Information and Digital Techn.	3	No Prerequisite
STT100	General Statistics	3	No Prerequisite
Total Credit Hours:		**18**	

Spring Semester

Code	Title	C. Hrs.	Prerequisite(s)
ARL100	Communication Skills in Arabic I	3	No Prerequisite
AVS120	Introduction to Aeronautics	3	AVS120L as co-requisite
AVS120L	Introduction to Aeronautics Lab	1	AVS120 as co-requisite
FWS205	UAE and GCC Society	3	ENG102 + FWS100 (co-req.)
GES201	General Science	3	ENG102(P)
MTT101	Pre-Calculus	3	MTH 100 or MPT
Total Credit Hours:		**16**	

Second Year (Sophomore)

Fall Semester

Code	Title	C. Hrs.	Prerequisite(s)
AVS209	Aerodynamics	3	GES201 + MTT101
AVS211	Aircraft Jet Engines	3	GES201 + AVS120
AVS254	Aviation Law	3	AVS101
AVS287	Crew Resource Management	3	No Prerequisite
OE1	Open Elective I	3	-
Total Credit Hours:		**15**	

Spring Semester

Code	Title	C. Hrs.	Prerequisite(s)
GEN100	Big Data Analytics	3	STT100
GEN101	Introduction to Artificial Intelligence	3	STT100
AVS289	Airline Management	3	AVS101 + Comp. of 40 Cr. Hours
AVS356	Aircraft Systems I	3	GES201 + AVS120
AVS357	Flight Physiology	3	GES201
OE2	Open Elective II	3	-
Total Credit Hours:		**18**	

Third Year (Junior)

Fall Semester

Code	Title	C. Hrs.	Prerequisite(s)
AVS310	Aircraft Performance	3	AVS211
AVS350	Flight Navigation	3	MTT101+AVS120+AVS350L as co-req.
AVS350L	Flight Navigation Lab	1	AVS350 as Co-req.
AVS402	Aviation Meteorology	3	GES201
FWS305	Technical Communications for Work Place	3	ENG200 + Completion of 45 C. Hrs.
FWS310	Fundamentals of Innovation & Entrepr.	3	ENG200 + Completion of 60 C. Hrs.
Total Credit Hours:		**16**	

Spring Semester

Code	Title	C. Hrs.	Prerequisite(s)
AVS303	Aviation Security	3	Completion of 80 Credit Hours
AVS410	Air Traffic Management	3	AVS101 + Comp. of 50 Cr. Hours
AVS411	Aircraft Systems II	3	AVS356
AVS415	Airport Operations	3	AVS120
AVS472	Aviation Human Factors	3	AVS287
Total Credit Hours:		**15**	

Fourth Year (Senior)

Fall Semester

Code	Title	C. Hrs.	Prerequisite(s)
AVS408	Aviation Safety	3	Completion of 80 Credit Hours
AVS422	Instrument and Commercial Pilot Operations	3	AVS120, AVS209, AVS310, AVS402
AVS422L	Instr./Commercial Pilot Operations Lab	1	AVS422 as co-req.
OE3	Open Elective III	3	-
OE4	Open Elective IV	3	-
Total Credit Hours:		**13**	

Winter Semester

Code	Title	C. Hrs.	Prerequisite(s)
AVS399A	Internship	1.5	Completion of 90 Credit Hours
Total Credit Hours:		**1.5**	

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Fourth Year (Senior)

Spring Semester

Code	Title	Prerequisite(s)	C. Hrs.
AVS403	Introduction to Space	AVS211 + Comp. of 80 Cr. Hours	3
AVS412	Unmanned Aircraft Sys. Operation	Completion of 80 Credit Hours	3
AVS435	Adv. Fl. Guidance and Control Sys.	AVS209, AVS350 and AVS411	3
AVS435L	Adv. Fl. Guidance and Control Sys. Lab	AVS435 as co-req.	1
AVS499	Aviation Capstone Project	Comp. of 100 C. Hrs. or Sen. Level	3
		Total Credit Hours:	**13**

Summer Semester

Code	Title	Prerequisite(s)	C. Hrs.
AVS399B	Internship	Completion of 90 Credit Hours	1.5
		Total Credit Hours:	**1.5**

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