

**College of Basic and Applied Sciences  
Upper Division Form 2020-2021 Catalog**

Student name _____	Student # _____
Major <b>AEROSPACE</b>	Minor _____
Concentration <b>FLIGHT DISPATCH</b>	E-mail _____

**Instructions:** For students graduating in Summer 2020 or later. *One (1) copy signed by major and minor advisors should be filed in DSB 120 three semesters before anticipated graduation. An Intent to Graduate form must also be filed in DSB 120 at the time of Upper Division Form submission.*

General Education	Course	Semester	Grade	Notes	Credit Hours
<b>COMMUNICATION</b> (9 hours)	ENGL 1010				3
	ENGL 1020			Preq ENGL 1010 with a C- or better	3
	COMM 2200				3
<b>HISTORY</b> (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
<b>HUMANITIES AND/OR FINE ARTS</b> (9 hours) Choose one: ENGL 2020, 2030 or HUM 2610. Choose two with different rubrics: ANTH 2210, ART 1030, ART 1920, DANC 1000, HIST 1010, 1020, 1110, or 1120, MUS 1030, PHIL 1030, THEA 1030				Preq ENGL 1010/1020	3
					3
<b>MATHEMATICS</b> (3 hours) Choose one: <b>MATH 1010, 1530, 1630, 1710, 1720, 1730, 1810, 1910</b>				<b>Program requires MATH 1710</b> Must be completed with a C (2.0) or better	3
<b>NATURAL SCIENCES</b> (8 hours) Choose two different subjects: ASTR 1030/1031, BIOL 1030/1031, BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, <b>CHEM 1010/1011</b> , CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PGEO 1030, PHYS 1110, <b>PHYS 2010/2011</b> , PHYS 2110/2111, PSCI 1030/1031, PSCI 1130/1131				<b>Program requires CHEM 1010/1011</b> Must be completed with a C (2.0) or better	4
				<b>Program requires PHYS 2010/2011</b> Must be completed with a C (2.0) or better Preq MATH 1710	4
<b>SOCIAL/BEHAVIORAL SCIENCES</b> (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, <b>GEOG 2000</b> , GS 2010, HLTH 1530 /1531, JOUR / EMC / RI M1020, PS 1010 or 1005, <b>PSY 1410</b> , RS 2030, SOC 1010, SOC 2010, WGST 2100.				<b>GEOG 2000 OR PSY 1410 required</b>	3
					3
<b>Hours Required</b>					41

Major Courses - Grade of C (2.0) or better required in each major course	Course	Semester	Grade	Notes	Credit Hours
Introduction to Aerospace	<b>AERO 1010</b>				3
Theory of Flight	<b>AERO 1020</b>			Lab fee required	3
Aviation Laws and Regulations	<b>AERO 1230</b>				3
Aviation Weather	<b>AERO 2010</b>			MUST be taken on-ground	3
Professional Pilot I	<b>AERO 2230</b>				3
Aerospace Materials	<b>AERO 3020</b>			Preq AERO 1010, 1020 & MATH 1810 or 1530 or 1910	3
Propulsion Fundamentals	<b>AERO 3030</b>			Preq AERO 1010, 1020	3
Aviation Weather II	<b>AERO 3080</b>			Preq AERO 2010 spring only	3
Aviation Safety	<b>AERO 3170</b>			Preq AERO 1020	3
Crew Resource Management	<b>AERO 3230</b>				3
Professional Pilot II <b>OR</b> Instrument Operations in the National Airspace System	<b>AERO 3210</b> <b>OR</b> <b>AERO 3510</b>			Coreq AERO 2010; Preq AERO 2010, 2230/2201, 3203; Pvt Cert required	3
Aerospace Senior Capstone lab	<b>AERO 4040</b>			Preq AERO 1010, 1020 Pr/Creq: AERO 3020, 3030	1
Introduction to Air Traffic Control and Lab	<b>AERO 3630/3631</b>			Must take Junior Fall. Fall only Preq AERO 1010, 1020, 1230, 2010, 2230, 3210 or 3510; Lab fee required POD required	4
Flight Dispatch/ATP Written Preparation	<b>AERO 4580</b>			Preq AERO 1230, 3080, 3210 or 3510, 3630/3631 fall only POD required	3
Flight Dispatch	<b>AERO 4590</b>			Preq AERO 4580 spring only POD required	3
<b>Hours Required</b>					44

Supporting and Elective Courses	Course	Semester	Grade	Notes	Credit Hours
CSCI 1150 or INFS 2200 or INFS 3100					3
GEOG or GEOL elective; must be taken at 3000/4000 level					3
MATH 1710	MATH 1710			Credits can count in general education; Must be completed with a C (2.0) or better	0-3
MATH 1810	MATH 1810			Preq MATH 1710; Must be completed with a C (2.0) or better	3
MGMT 3610	MGMT 3610				3
Choose one: MGMT 3810, MGMT 3890, MGMT 4490, MGMT 4510					3
CHEM 1010/1011				Credits can count in general education; Must be completed with a C (2.0) or better	0-4
PHYS 2010/2011				Credits can count in general education; Must be completed with a C (2.0) or better	0-4
GEOG 2000 OR PSY 1410				Credits can count in general education	0-3
Electives: <i>needed only if completing an 18 credit minor outside of Aerospace</i>				SEE ADVISOR	2
Electives: <i>needed only if completing a 15 credit hour minor outside of Aerospace</i>				SEE ADVISOR	5
Electives: <i>needed only if completing Air Traffic Control minor</i>				SEE ADVISOR	8

Minor – to be chosen from Geography/Geology, Computer Science, Information Systems, or other science or business-related field- must have Program Coordinator's approval.					
Minor Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
					3
					3
					3
					3
					3
					3
<b>Hours Required</b>					15-18

OPTIONAL MINOR AIR TRAFFIC CONTROL (44 Paperwork required for entrance to CTI program)					
Minor Courses	Course	Semester	Grade	Notes	Credit Hours
Introduction to Air Traffic Control	AERO 3630			Pre-reqs: AERO 1010, 1020, 1230, 2010, 2230, 3510	3
Introduction to Air Traffic Control Lab	AERO 3631			Co-req for AERO 3630, Fee required	1
Air Traffic Control-Tower Operations	AERO 3640			Pre-req: AERO 3630/3631; <b><u>Medical required before 3640/3641</u></b>	3
Air Traffic Control-Tower Operations Lab	AERO 3641			Co-req for AERO 3640, Fee required	1
Air Traffic Control-TRACON Operations	AERO 4650			Pre-req: AERO 3640/3641	3
Air Traffic Control-TRACON Operations	AERO 4651			Co-req for AERO 4650, Fee required	1
Air Traffic Control-Enroute Operations	AERO 4660			Pre-req: AERO 4650/4651	3
Air Traffic Control-Enroute Operations Lab	AERO 4661			Co-req for AERO 4660, Fee required	1
<b>Hours Required</b>					16

1. Degrees require a minimum of 120 semester hours completed with a cumulative and major GPA of 2.0 or higher. Minimum of 36 upper-division hours (3000/4000 level) and a minimum of 50 senior college hours (earned at four-year University) also required.
2. A minimum of 12 credits must be earned at the 3000/4000 level in each major

Signed:		
	Major Advisor	Date