# College of Basic and Applied Sciences
## Upper Division Form 2018-2019 Catalog

Student name _____     Student # _____

Major     **AEROSPACE** _____     Minor _____

Concentration     **FLIGHT DISPATCH** _____     E-mail _____

**Instructions:  For students graduating in Fall 2018 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 |
|---|---|---|---|---|---|
| **COMMUNICATION** (9 hours) | **ENGL 1010** | | | | 3 |
| | **ENGL 1020** | | | Preq ENGL 1010 with a C- or better | 3 |
| | **COMM 2200** | | | | 3 |
| **HISTORY** (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030 | | | | | 3 |
| | | | | | 3 |
| **HUMANITIES  AND/OR FINE ARTS** (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 |
| | | | | | 3 |
| **MATHEMATICS** (3 hours required for General Studies) | **MATH 1710** | | | | 3 |
| **NATURAL SCIENCES** (8 hours) | **CHEM 1010 / 1011** | | | | 4 |
| | **PHYS 2010 / 2011** | | | Preq MATH 1710 with "C" or better | 4 |
| **SOCIAL/BEHAVIORAL SCIENCES** (6 hours) Choose two:  AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530 /1531, JOUR / EMC / RIM1020, PS 1010 or 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100. | | | | | 3 |
| | | | | | 3 |
| | | | | **Hours Required** | 41 |

| Major Courses (2.0 GPA required) | Course | Semester | Grade | Notes | Credit Hours |
|---|---|---|---|---|---|
| Introduction to Aerospace | **AERO 1010** | | | | 3 |
| Theory of Flight | **AERO 1020** | | | Lab fee required | 3 |
| Aviation Laws and Regulations | **AERO 1230** | | | | 3 |
| Aviation Weather | **AERO 2010** | | | MUST be taken on-ground | 3 |
| Professional Pilot I | **AERO 2230** | | | | 3 |
| Aerospace Materials | **AERO 3020** | | | Preq AERO 1010, 1020 & MATH 1810 or 1910 | 3 |
| Propulsion Fundamentals | **AERO 3030** | | | Preq AERO 1010, 1020 | 3 |
| Aviation Weather II | **AERO 3080** | | | Preq AERO 2010 spring only | 3 |
| Aviation Safety | **AERO 3170** | | | Preq AERO 1020 | 3 |
| Crew Resource Management | **AERO 3230** | | | | 3 |
| Instrument Operations in the National Airspace System | **AERO 3510** | | | Preq AERO 2010 (can also be taken as co-req) AERO 2230 | 3 |
| Aerospace Senior Capstone lab | **AERO 4040** | | | Preq 90 or more credit hours | 1 |
| Introduction to Air Traffic Control and Lab | **AERO 3630/3631** | | | Must take Junior Fall. Fall only Preq AERO 1010, 1020, 2010, 2220 or 2230, 3210; Lab fee required | 4 |
| Flight Dispatch/ATP Written Preparation | **AERO 4580** | | | Preq AERO 1230, 3080, 3210 or 3510, 3630/3631 fall only | 3 |
| Flight Dispatch | **AERO 4590** | | | Preq AERO 4580 spring only | 3 |
| | | | | **Hours Required** | 44 |

Revised  3.6.2018

| Supporting and Elective Courses | Course | Semester | Grade | Notes | Credit Hours |
|---|---|---|---|---|---|
| CSCI 1150 or INFS 2200 or INFS 3110 | | | | | 3 |
| GEOG 3410 or GEOL 4050 | | | | | 3 |
| MATH 1810 | MATH 1810 | | | Preq MATH 1710 | 3 |
| **Choose 6 credits:** PSY 4040, PSY 4370, PSY 4380, PHIL 3150, MGMT 3610, MGMT 3890, MGMT 4510 | | | | | 6 |
| Elective Options – choose the appropriate option based on your declared minor | | | | | |
| Electives: needed if only completing an 18 credit minor outside of Aerospace | | | | | 2 |
| Electives: needed if only completing a 15 credit hour minor outside of Aerospace | | | | | 5 |
| Electives: needed if only completing Air Traffic Control minor | | | | | 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 |
| | | | | Hours Required | 15-18 |

| Signed: | | | |
|---|---|---|---|
| | **Minor Advisor** | | **Date** |

| 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; *__Medical required before 3640/3641__* | 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 |
| | | | | Hours Required | 16 |

| Signed: | | | |
|---|---|---|---|
| | **Minor Advisor** | | **Date** |

*1. Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.*
*2. Learning Support courses do not count toward the 120-hour requirement or cumulative degree GPA.*

| Signed: | | | |
|---|---|---|---|
| | **Major Advisor** | | **Date** |