

Aviation Majors: (2024-2025)

B.S. Aviation – Professional Flight

B.S. Aviation – Aviation

B.S. Aviation – Unmanned Aircraft Systems

General Education—44 CR Hrs

Goal Area 1 (Communication) Required: ENG 101 Composition (4) Recommended: CMST 102 Public Speaking (3).....	7
Goal Area 2 (Critical Thinking) Not required if all other Goal Areas are filled	0
Goal Area 3 (Natural Science) Required: PHYS 101L (3) Introductory Physics (3)	6
Goal Area 4 (Mathematics/Logical Reasoning) Required: MATH 112 College Algebra (4) OR HIGHER	4
Goal Area 5 (History & Social Sciences)	6
Goal Area 6 (Humanities & the Arts)	6
Goal Area 7 (Human Diversity)	3
Goal Area 8 (Global Perspectives)	3
Goal Area 9 (Ethical & Civic Responsibility)	3
Goal Area 10 (People & the Environment)	3
Goal Area 11 (Performance & Participation)	3
Goal Area 12 (First Year Experience) (not required)	0
Goal Area 13 (Information Technology) (not required)	0

Aviation Core—26 CR Hrs

AVIA 100 Aviation Program Orientation.....	1
AVIA 101 World of Aviation (AABI 3.3.2.1).....	3
AVIA 150 Private Pilot (AABI 3.3.2.5)	3
AVIA 201 Theory of Flight (Prereq: MATH 112 and PHYS 101) (AABI 3.3.2.2).....	3
AVIA 334 Aviation Management.....	3
AVIA 432 Aviation Law I (AABI 3.3.2.4)	3
AVIA 437 Aviation Safety (AABI 3.3.2.3)	3
AVIA 445 Aviation Human Factors (AABI 3.3.2.3).....	3
GEOG 217 Aviation Weather (AABI 3.3.2.6).....	4

Emphasis Area Professional Flight—40 CR Hrs

AVIA 151 (2) Private Pilot Flight Lab	2
AVIA 153 (1) Private Pilot Flight Lab II	1
AVIA 240 (3) Instrument Pilot.....	3
AVIA 241 (2) Instrument Pilot Flight Lab	2
AVIA 243 (1) Instrument Pilot Flight Lab II.....	1
AVIA 250 (3) Commercial Pilot	3
AVIA 251 (2) Commercial Pilot Flight Lab	2
AVIA 253 (2) Commercial Pilot Flight Lab II	2
AVIA 338 (3) Advanced Aircraft Systems (Prereq: AVIA 201).....	3
AVIA 340 (3) Flight Operations	3
AVIA 360 (3) Flight Instructor	3
AVIA 364 (3) Flight Instructor Ratings: CFI, CFII, MEI	3
AVIA 436 (3) Flight Operations & Procedures (Prereq: AVIA 340)	3
AVIA 450 (3) Professional Pilot Theory.....	3
AVIA 451 (3) Professional Pilot Course.....	3
AVIA 455 (3) Aircraft Performance (Prereq: AVIA 338).....	3

Electives—10 CR Hrs

Advising note: One or two aviation electives will likely be required to ensure the 40 credit hours of 300/400 level courses are met to earn a bachelor's degree.

AVIA Electives *includes:* AVIA 202, AVIA 306, AVIA 333, AVIA 343, AVIA 344, AVIA 370 AVIA 443, AVIA 444, AVIA 458

Emphasis Area Aviation Management—36 CR Hrs

ACCT 200 (3) Financial Accounting (Prereq: MATH 112).....	3
BLAW 200 (3) Legal Environment of Business	3
ECON 202 (3) Microeconomics.....	3
FINA 362 (3) Business Finance (Prereq: ACCT 200).....	3
MGMT 300 (3) Introduction to MIS (Prereq: CIS 101)	3
MGMT 230 (3) Principles of Management	3
MGMT 340 (3) Human Resource Management	3
MGMT 380 (3) Human Behavior in Organizations	3
MGMT 472 (3) Project Management.....	3
MRKT 210 (3) Principles of Marketing.....	3

Choose from:

AVIA 343 (3) Airport Management.....	3
AVIA 344 (3) Airport Operations.....	3
OR:	
AVIA 443 (3) Aircraft Dispatcher 1 (Prereq: AVIA 240/250/340).....	3
AVIA 444 (3) Aircraft Dispatcher 2 (Prereq: AVIA 443)	3

Can do both to work towards 40 credit hours of 300/400 level courses.

Electives—15 CR Hrs

Advising note: Several aviation or management electives will be required to ensure the 40 credit hours of 300/400 level courses are met to earn a bachelor's degree.

AVIA Electives *includes:* AVIA 333, AVIA 343, AVIA 344, AVIA 443, AVIA 444, AVIA 458

Additionally, it is highly recommended that our Aviation Management students complete an internship to help them gain experience and build their network within the field.

Aviation Majors: (2023-2024)

UAS

AVIA 160 Introduction to UAS.....	3
AVIA 365 UAS Sensors.....	3
AVIA 375 UAS Telemetry & Communication.....	3
AVIA 470 Advanced UAS Operation.....	3
AVIA 480 Senior Project/Capstone	4
CIS 121 Introduction to Programming	4
CIS 350 Information Security.....	4
EET 113 DC Circuits.....	3
GEOG 373 Introduction to Geography Information Systems.....	4
GEOG 474 Introduction to Remote Sensing.....	4
MET 142 Introduction to Parametric Modeling.....	3
STAT 154 Elementary Statistics.....	4

Disclaimer: Refer to the MSU Aviation Catalog