



2023-2024 Academic Year

Aviation Flight Technology

Associate in Applied Science Degree (A.A.S.)

**Business, Technology, and
Professional Studies Division**

[609.570.3482](tel:609.570.3482) admiss@mccc.edu

The **Aviation Flight Technology** program is accredited by the Aviation Accreditation Board International and provides flight instruction for the Private and Commercial certificates and Instrument rating. MCCC operates flight instruction in accordance with Air Agency Certification issued to the college by the Federal Aviation Administration (FAA).

In order to complete the program, every student must successfully pass the FAA Private, Commercial, and Instrument computer examinations and be certified as a commercial pilot with instrument rating. Ninety-seven percent of Mercer's students have passed the examinations on the first attempt.

MCCC has approved examining authority for FAA computer tests which can be conducted at the college. Additionally, the college has examining authority to conduct flight tests for the issuance of private and commercial pilots' licenses as well as the instrument and multiengine ratings.

PROGRAM OUTCOMES

- Obtain the appropriate ground and flight certificates;
- Fill related aviation positions requiring specific aviation knowledge with airport service operators located at numerous airports in the United States and possessions.

Most aviation courses are offered during the day, and certain ones may be available during the evening as well as online. The program maintains a number of articulation agreements with four-year colleges and universities for students who wish to transfer their credits.

Students in the Aviation Flight Technology program receive classroom and laboratory instruction on the West Windsor Campus. Actual flight training takes place with our flight training partner at Trenton-Mercer County Regional Airport, where the college has access to a fleet of aircraft and supervises the flight instructors.

An active advisory commission consisting of experts from the government and civilian areas of aviation recommends changes necessary to maintain a quality program.

Admission to the program requires a high school diploma with one year of algebra. High school courses in trigonometry and physics are an advantage. Proof of citizenship or Transportation Security Administration approval is required for enrollment in the Flight program. Before flight training begins, a minimum of a second-class aviation medical will be required. Contact the Aviation program coordinator for details. [Flight fees](#) required.

Graduates of the program often return to take a flight training course toward the certified flight instructor rating.

SEE ALSO:

[Aviation Flight Technology: Rotorcraft Transition Program \(RTP\)](#) degree program

DEGREE CURRICULUM

2023-2024 Academic Year

AVI.FLT.AAS
CIP 490102

The course sequence below represents a recommended example of how this degree program can be completed in two years, presuming a Fall Term start and satisfaction of all Developmental Studies (foundation courses) requirements and prerequisites. Actual approaches toward completion depend on each student's anticipated transfer institution, career objectives, or other individual circumstances. Students will begin each Flight course within seven days of the registered term.

Students are encouraged to meet regularly with an academic advisor or Success Coach to consider options, establish plans, and monitor progress.

Code	Course (lecture / field study hours)	Credits	To Do This Semester
FIRST SEMESTER			
AVI 112	Primary Flight (1/60)	2	✓ Meet with your faculty advisor to complete an academic plan. Make sure you are aware of any course prerequisites you may need to take, and how long it will take to complete your degree. ✓ Use your online tools: Check your MercerMail daily, utilize features of Office 365, and get to know Student Planning . ✓ Take advantage of Learning Centers or Online Tutoring to support your studies and assignments.
AVI 131	Commercial Pilot I (3/0)	3	
CSW 100	College Success and Personal Wellness (2/0)	2	
	<ul style="list-style-type: none"> Some exemptions apply. Consult academic advisor for details. 		
ENG 101	English Composition I (3/0)	3	
MAT 115	Algebra and Trigonometry I (3/0)	3	

SECOND SEMESTER

AVI 105	Aviation Weather (3/0)	3	<ul style="list-style-type: none"> ✓ Transitioning to college can be challenging. Meet with your Success Coach for guidance and support. ✓ Apply for financial aid by May 1.
AVI 113	Flight I (1/60) <ul style="list-style-type: none"> • Special fee required; hours to be arranged. 		
	OR	2	<ul style="list-style-type: none"> ✓ Contact professors with questions and use their office hours to develop a connection. Talk with them to get the inside scoop on how your profession works. ✓ Be sure to visit the Career Services office to explore jobs, internships, and career information and get help with your resume and other career tools. ✓ Apply for Continuing Student scholarships at www.mccc.edu/m-scholarships.
	<ul style="list-style-type: none"> • Consult academic advisor for appropriate course selection. 		
AVI 111	Flight Concepts (2/0)		
AVI 132	Commercial Pilot II (3/0)	3	
CMN 112	Public Speaking (3/0)	3	
MAT 116	Algebra and Trigonometry II (3/0)	3	

THIRD SEMESTER

AVI 101	Aerospace Development (3/0)	3	<ul style="list-style-type: none"> ✓ Keep in contact with each professor and your faculty advisor. Make sure you are on track to graduate on time. ✓ Work with Career Services to formulate plans for after you've earned this degree. ✓ Develop team and leadership skills by getting involved in activities and clubs.
AVI 114	Flight II (1/75) <ul style="list-style-type: none"> • Special fee required; hours to be arranged. 	2	
PHY 101	College Physics I (3/3)	4	
SOC 101	Introduction to Sociology (3/0) <ul style="list-style-type: none"> • PSY 101 is an acceptable substitute. 	3	

✓ Apply for Continuing Student scholarships at www.mccc.edu/m-scholarships.

✓ Manage your stress! Take advantage of the MCCC pool, [Fitness Center](#), free yoga and Zumba. Reach out for [counseling](#) or other support if you need it. Your [Success Coach](#) can connect you with resources.

FOURTH SEMESTER

[AVI 203](#) Aircraft Components (3/0) 3

[AVI 208](#) Aviation Seminar (1/0) 1

[AVI 231](#) Commercial Pilot III (3/0) 3

[AVI 240](#) Flight III (1/75) 2

- Special fee required; hours to be arranged.

— — [General Education elective](#) 3

- Select course from the following [general education](#) categories: Social Science, Humanities, Historical Perspective, Diversity and Global Perspective.

FIFTH SEMESTER

[AVI 102](#) Aviation Transportation (3/0) 3

[AVI 215](#) Aerodynamics (2/2) 3

[AVI 217](#) Flight VI (1/45) 1

- Completion of AVI 241 flight training required before starting AVI 217 training.
- Special fee required; hours to be arranged.

✓ Get ready to start your career! Begin the job application process.

✓ Discuss your career plans with your faculty advisor. S/he can help you transition successfully.

AVI 241

Flight IV (1/75)

2

- Special fee required; hours to be arranged.

60

NOTE: Students must earn a minimum grade of C in AVI 113, 114, 131, 132, 213, 214, 215, 231, and MAT 115 to graduate.

A.A.S. Aviation Flight Technology

2023 – 2024 Flight Fees

Course	Flight Hours included in Cost	Flight Fee Cost	Fuel Surcharge Fall 2022
AVI 112	23	\$7,305	\$460
AVI 113	30	9,118	600
AVI 114	54	15,204	1,080
AVI 240	52	14,153	1,040
AVI 241	48.8	14,756	976
AVI 217	16.8	8,827	672

Flight Training Fees for Aviation Technology

Mercer County Community College's Aviation Flight Technology A.A.S. degree program is designed to provide full private, commercial, and instrument flight training in as little as two years. The total estimated flight training fees will vary depending upon program training coursework required towards certification and licensing and are subject to change without notice. Since these courses are skill based, additional time is often need to meet FAA certification requirements. See the chart below for hourly charges for additional time needed to complete the program. Further information on flight fees and this degree program is available from the Aviation program coordinator in the Business, Technology, and Professional Studies division office on the West Windsor campus.

Aircraft	Hourly Rate	Hourly Fuel Surcharge Fall 2023
C172S	\$199.00	\$20
C172G1000	\$220.00	\$20
PA-44 Seminole	\$385.00	\$40
Flight /Ground Instruction	Hourly Rate	
Single Engine Training	\$65.00	
Multi-Engine Training	\$75.00	

July 17, 2023