



2023-2024 Academic Year

Aviation Flight Technology

Rotorcraft Transition Program (RTP) concentration Associate in Applied Science Degree (A.A.S.)

** The RTP concentration is separate from AABI accreditation.*

Business, Technology, and
Professional Studies Division
[609.570.3482](tel:609.570.3482) admiss@mccc.edu

Students with an FAA Helicopter Commercial / Instrument Certificate should enroll in the Rotorcraft Transition Program (RTP) concentration.

The **Rotorcraft Transition Program (RTP)** concentration of the Aviation Flight Technology A.A.S. degree program completes the educational and flight training requirements for commercial/instrument rated helicopter pilots to be eligible for employment with a regional airline as a professional pilot.

MCCC operates flight instruction in accordance with Air Agency Certification issued to the college by the FAA.

PROGRAM OUTCOMES

- Obtain the appropriate ground and flight certificates;
- Eligibility for a position with a regional airline to begin their ATP training.

Along with proof of citizenship or Transportation Security Administration approval, enrollment in the flight program requires the student to possess an FAA commercial/instrument helicopter rating. Before flight training begins, an aviation medical will be required. Contact the aviation program coordinator for details.

Flight fees are required. [AVI 216](#), [217](#), [250](#), and [251](#) are six-week courses; all others follow the standard semester schedule or may be taken online as applicable. Credit for prior experience will be evaluated by the program coordinator.

SEE ALSO:

[Aviation Flight Technology](#) degree program

DEGREE CURRICULUM

2023-2024 Academic Year

AVI.FLT.RTP.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 101	Aerospace Development (3/0)	3	✓ 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.
AVI 216	Flight V (1/140) <ul style="list-style-type: none">• Special fee required. Offered in six-week terms, hours to be arranged. Flight prerequisite courses are required to be completed before starting the next flight course.	4	
ENG 101	English Composition I (3/0)	3	✓ 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.
HPE 111	Living With Health (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"> Special fee required. Offered in six-week terms, hours to be arranged. Flight prerequisite courses are required to be completed before starting the next flight course. AVI 217 and 250 may be offered in the same semester since each is not a prerequisite for the other. 	<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. ✓ 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.
AVI 217	Flight VI (1/45)	1		
CMN 112	Public Speaking (3/0)	3		
ENG 102	English Composition II (3/0)	3		
MAT 116	Algebra and Trigonometry II (3/0)	3		

THIRD SEMESTER

AVI 203	Aircraft Components (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.
AVI 208	Aviation Seminar (1/0)	1		
AVI 250	Airline Transport Pilot (ATP) Prep I (2/200)	6	<ul style="list-style-type: none"> Special fee required. Offered in six-week terms, hours to be arranged. Flight prerequisite courses are required to be completed before starting the next flight course. AVI 217 and 250 may be offered in the same semester since each is not a prerequisite for the other. 	

PHY 111	Physical Science Concepts (2/2)	3	<ul style="list-style-type: none"> ✓ Develop team and leadership skills by getting involved in activities and clubs. ✓ 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.
SOC 101	Introduction to Sociology (3/0)	3	
	<ul style="list-style-type: none"> • PSY 101 is an acceptable substitute. 		

FOURTH SEMESTER

AVI 102	Aviation Transportation (3/0)	3	<ul style="list-style-type: none"> ✓ Get ready to start your career! Begin the job application process.
AVI 215	Aerodynamics (2/2)	3	
AVI 251	Airline Transport Pilot (ATP) Prep II (1/90)	3	<ul style="list-style-type: none"> ✓ Discuss your career plans with your faculty advisor. S/he can help you transition successfully.
	<ul style="list-style-type: none"> • Special fee required. Offered in six-week terms, hours to be arranged. Flight prerequisite courses are required to be completed before starting the next flight course. 		
IST 101	Computer Concepts with Applications (2/2)	3	
— —	General Education elective	3	
	<ul style="list-style-type: none"> • Select course from the following general education categories: Social Science, Humanities, Historical Perspective, Diversity and Global Perspective. 		

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. Flight Technology - RTP Concentration
2023 – 2024 Flight Fees**

Course	Flight Hours included in Cost	Course Fee Cost	Fuel Surcharge Fall 2022
AVI 216	82.0	\$28,270	\$1,840
AVI 217	16.8	8,827	672
AVI 250	126.0	32,305	2,520
AVI 251	51.5	12,340	1,030

Flight Training Fees for Aviation Technology

Mercer County Community College’s Aviation Flight Technology A.A.S. – RTP concentration is designed to provide transition training to fixed wing aircraft for commercial/instrument rated helicopter pilots, multi-engine certification, and flight time building. At the end of this program, the student will have the minimum fixed wing flight time needed to be hired by a regional airline. The flight courses are accelerated courses and are designed to be completed in 21 weeks. 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 certification program is available from the Aviation Program Coordinator.

Aircraft	Hourly Rate	Hourly Fuel Surcharge Fall 2022
C172S	\$199.00	\$20.00
C172G1000	\$220.00	\$20.00
PA-44 Seminole	\$385.00	\$40.00
Flight /Ground Instruction	Hourly Rate	
Single Engine Training	\$65.00	
Multi-Engine Training	\$75.00	

July 17, 2023