RCTC PROGRAM PLAN

AVIATION PILOT

Associate of Applied Science

I	MINNESOTA TRANSFER CURRICULUM (MnTC)/ GENERAL EDUCATION REQUIREMENTS
	GOAL 3: NATURAL SCIENCES
	GOAL 4: MATHEMATICS/LOGICAL REASONING
	GOAL 6: HUMANITIES and FINE ARTS3 CR PHIL 2130, Business Ethics, 3 cr
11.	PROGRAM CORE REOUREMENTS

TOTAL60 CREDITS





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PROGRAM OUTCOMES:

Upon completion of the Aviation Pilot program at RCTC, students will achieve the following outcomes:

- Analyze and interpret data and apply pertinent knowledge in decision making.
- Make professional and ethical decisions.
- Communicate effectively, using both written and oral communication skills.
- Describe the professional attributes, requirements or certifications, and planning applicable to aviation careers.
- Discuss the impact of meteorology and environmental issues on aviation operations.
- Describe the principles of aircraft design, performance and operating characteristics. •
- Evaluate aviation safety and the impact of human factors on safety.
- Discuss the impact of national and international aviation law, regulations and labor issues on • aviation operations.
- Explain the integration of airports, airspace, and air traffic control in managing the National Airspace System.
- Operate an aircraft in simulated instrument conditions to federal standards.
- Determine factors impacting aircraft performance, including engine power output, weight and balance, airport requirements, and flight maneuvers.
- Maintain compliance with procedures and practices contained in the Federal Aviation Regulations (FAR's), Aeronautical Information Manual (AIM), and other applicable FAA publications.
- Obtain the Federal Aviation Administration (FAA) certification as a Private Pilot, Airplane Single-Engine Land.
- Obtain the Federal Aviation Administration (FAA) certification as a Commercial Pilot, Airplane Single and Multi-Engine Land with an Instrument Rating.

ADDITIONAL NOTES:

PURPOSE: The two-year Associate of Applied Science (AAS) in Aviation Pilot degree program is designed to educate students who plan a career as a pilot in commercial aviation. The program is designed to prepare students with the technical knowledge and skills required for the Federal Aviation Administration (FAA) written and practical examinations for private, instrument, commercial, multiengine, and flight instructor certificates. Students that complete the AAS in Aviation Pilot will obtain their commercial pilot certificate with an instrument rating in both single and multi-engine aircraft and a flight instructor written exam.

Completion of this program is a path to becoming an Airline Transport Pilot (ATP). Graduates of this program are eligible for a Restricted ATP certificate at 1,250 flight hours. Those interested in continuing their aviation education can choose to transfer to Minnesota State University, Mankato for the completion of a Bachelor of Science in Aviation degree.

Revised: 2/11/2025 **Implementation: Fall 2025**



