# WAVE: Aviation 101

## Course Overview:

Aviation 101 is a 0.5-credit elective course offered through a partnership between **Wausau Flying Service** and **Wausau Area Virtual Education (WAVE)**, supported by grant and community funding.

This course introduces students to the fundamentals of aviation and provides a strong foundation for those interested in pursuing their Federal Aviation Administration (FAA) **Private Pilot Certificate**. Students will begin preparing for the **FAA Private Pilot Knowledge Exam**—the written portion required to obtain a Private Pilot Certificate—and will explore topics such as basic flight concepts, navigation, weather, and cross-country flight planning.

## Course Objective:

To build foundational aviation knowledge and begin preparation for the FAA Private Pilot Knowledge Exam, helping students take the first steps toward becoming a pilot.

## Dual Credit Opportunity:

Students who successfully complete Aviation 101 may earn dual credit through collegiate aviation programs after completing their Private Pilot Certificate at Wausau Flying Service or elsewhere.

## Course Details:

- *Length:* 18 weeks
- *Format:* Online instruction and weekly in-person **virtual reality (VR) simulator** sessions held at Wausau Downtown Airport
- *Extracurricular Opportunities:* Mid-term and end of course flight in actual airplane
    - Additional costs apply

## Student Expectations:

- Complete weekly assigned readings and online quizzes
- Take coursework seriously—you are learning real aviation concepts used in flight training
- Stay on pace with all assignments and deadlines
- Attend weekly in-person VR simulator sessions at Wausau Downtown Airport
- Respond promptly to instructor communications
- Ask questions and seek clarification when needed
- Attend additional meetings or activities as scheduled

## Parent/Guardian Expectations:

- Monitor student progress and engagement
- Provide transportation (if needed) to the Wausau Downtown Airport for simulator sessions and meetings
- Encourage and support your student's learning and participation

**Supplies Needed:**

- Computer and reliable internet access for online coursework
- Notebook or folder for organizing notes and handouts

**Supplies Provided:**

- Pilot's Handbook of Aeronautical Knowledge (PHAK)
- FAA Knowledge Test Supplement
- E6B Flight Computer and Plotter