



**PROGRAM STRANDS  
FOR 2024-2025**

*All aviation students will follow the advanced diploma track in addition to the required Aviation courses.*

9th Grade Aviation Courses	10th Grade Aviation Courses	11th Grade Aviation Courses	12th Grade Aviation Courses
<b>AVIATION TECHNOLOGY</b> Students learn the terminology, concepts and procedures through hands-on experiences that blend in the dynamics of the aircraft. By completing this sequence they are prepared to take the General Maintenance Technician certification after graduation.			
• Aerospace Technology I	• Aerospace Technology II	• Aviation Maintenance Technology I	• Aviation Maintenance Technology II (Honors)
<b>FLIGHT OPERATIONS</b> Students learn vital and pertinent knowledge, ranging from the classroom portion of pilot ground school to learning to fly aircrafts and airport operations. Courses also involve an understanding of FAA guidelines that prepares them for their respective FAA certification exam..			
• Aerospace Technology I	• Aircraft Pilot Training	• Aircraft Pilot Training II (Honors)	• Unmanned Aircraft Systems (Honors)
<b>AEROSPACE ENGINEERING</b> Through Project Lead The Way, Aviation students learn the process of Aerospace Engineering through courses such as Introduction to Engineering Design – Aerospace, Digital Electronics, Aerospace Engineering and Engineering Design and Development Capstone.			
• Introduction to Engineering Design - Aerospace	• Digital Electronics (Honors)	• Aerospace Engineering	• Engineering Design and Development Capstone (Honors)

*Students have the opportunity to earn industry certifications in each program strand.*