



CAREER & TECHNICAL EDUCATION AEROSPACE ENGINEERING

The Project Lead The Way STEM Aerospace Engineering Pathway allows students to explore both modern military and commercial aviation. They will learn about the high-demand, high-wage field and how to meet Federal Aviation Administration standards.

In addition, students will learn how to conduct pre-flight inspections, engine start-ups, and taxi aircraft as a key part of ground operations. This pathway is a fantastic choice for students looking to solve complex problems in creative ways.

CAREERS IN AEROSPACE ENGINEERING

TECHNICAL CAREERS

(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)

Commercial Pilot
Aircraft Maintenance Manager
FAA Maintenance Technician
Aerospace Machinist

PROFESSIONAL CAREERS

(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)

Aeronautical Engineer
Air Traffic Controller
Flight Test Engineer
Structural Analyst
FAA Maintenance Inspector

AEROSPACE ENGINEERING

COURSE SEQUENCE

CLUSTER: STEM - Science, Technology, Engineering & Math

CAMPUS: MHHS

ENDORSEMENT: STEM

FRESHMAN

Introduction to
Engineering Design
(PLTW) (1 Credit)

SOPHOMORE

Principles of
Engineering
(PLTW) (1 Credit)

JUNIOR

Aerospace
Engineering
(PLTW) (1 Credit)

SENIOR

Practicum in
Engineering
(2 Credits)



ADDITIONAL COURSE OPTIONS

Business Management (1 credit)

Digital Media (1 credit)

Graphic Design (1 credit)

BIM (1 credit)

Virtual Business (0.5 credit)

HR Management (0.5 credit)

Advertising (0.5 credit)

Social Media Marketing (0.5 credit)

Entrepreneurship (1 credit)

*Business English (1 credit)

*Political Science (1 credit)

*Financial Math (1 credit)

*Forensic Science (1 credit)

*Medical Microbiology (1 credit)

Professional Communications (0.5 credit)

*Course also fulfills graduation requirement for English, Math, Science, Social Studies or Fine Arts.



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