



ENGINEERING TECHNOLOGIES & DESIGN

The Engineering Technologies & Design program is a sequence of pre-engineering courses introducing students to the scope and discipline of the profession. Students learn how to work in various engineering settings and use software such as Autodesk Inventor, Revit and more. Students who are currently enrolled in college preparatory math and science courses are eligible for this program.

Curriculum:

- AutoCAD
- Aviation
- Bridge Builder
- Computer Integrated Manufacturing
- Digital Electronics
- Engineering Design and Development Capstone
- Intro to Civil Engineering and Architecture
- Intro to Engineering Design
- Inventor
- KUKA Robotics
- PathPilot CNC Programming
- Principles of Engineering
- Revit

Curriculum (cont'd):

- Vex Code Programming Software
- National Project Lead the Way

Certifications:

- AutoCAD
- CPR / First Aid
- Drone Pilot (Optional)
- Inventor
- KUKA Robot Programming
- OSHA 10-Hour
- Revit

Opportunities:

- Architectural, Civil or Mechanical Drafter
- CAD Designer
- CNC Apprentice
- Civil Engineer
- Engineering Technician
- Internship
- Manufacturing Engineer
- Mechanical Engineer
- Robotics Engineer

Students have the opportunity to earn industry credentials and college credits.



Visit mcjvs.edu for more information about our Engineering Technologies & Design program.

