

SCIENCE. TECHNOLOGY. ENGINEERING. ARTS. MATH.



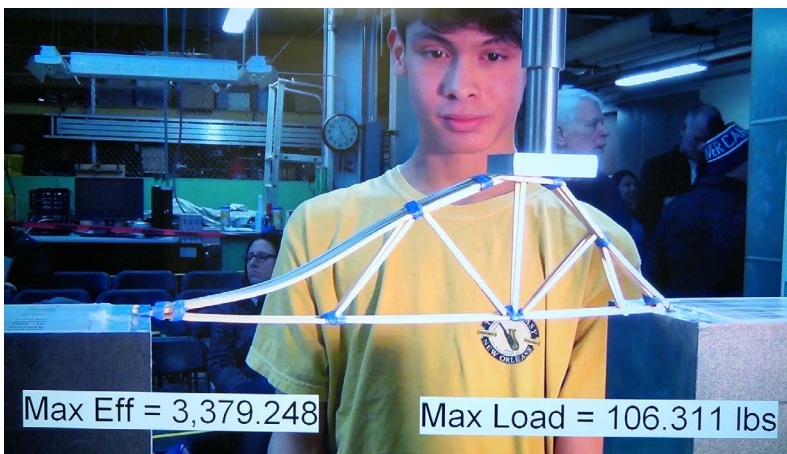
Englewood Schools  
Belong and Thrive

## ENGINEERING, MANUFACTURING AND DESIGN PATHWAY

### Is the Engineering, Manufacturing and Design Pathway Right for Me?

Offered at Englewood High School and Colorado's Finest High School of Choice, the Engineering, Manufacturing and Design pathway is a strong fit for curious and inquisitive students who are passionate about investigating and figuring out how things work. From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality.

The Engineering, Manufacturing and Design pathway empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. Students learn from experts and engage in compelling, real-world challenges that help them become better collaborators and critical thinkers. The skills and knowledge students learn from the Engineering, Manufacturing and Design pathway will be used in high school and beyond.



### ABOUT STEAM PATHWAYS

The Englewood Schools STEAM pathways provide students with rigorous coursework and builds technical skills through hands-on applied learning in a career interest area. Participation in a sequence of courses within a pathway prepares students for college and careers.

### COLLEGE AND CAREER SUCCESS

STEAM pathways in Englewood Schools offer high school students the opportunity to earn and participate in the following:

- College credit
- Advanced Placement credit
- Industry certificates
- State-recognized STEM-endorsed diploma
- Internships
- Apprenticeships
- Capstone projects

# Popular Engineering, Manufacturing and Design Careers

Careers and services in rebuilding infrastructure, renewable energy, oil and gas extraction, and robotics are in growing demand.

## HIGH SCHOOL DIPLOMA + CERTIFICATE

Architectural Engineering Technician  
Construction Manager  
Welder  
Tooling Engineer  
Machinist

## ASSOCIATE'S DEGREE

Industrial Designer

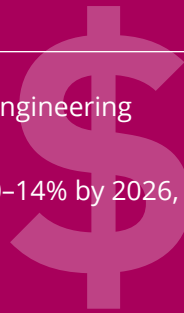
## BACHELOR'S DEGREE OR HIGHER (MASTER'S OR DOCTORATE)

Aerospace Engineer  
Biochemical engineer  
Chemical Engineer  
Civil Engineer  
Electrical Engineer  
Construction Manager

## DID YOU KNOW?

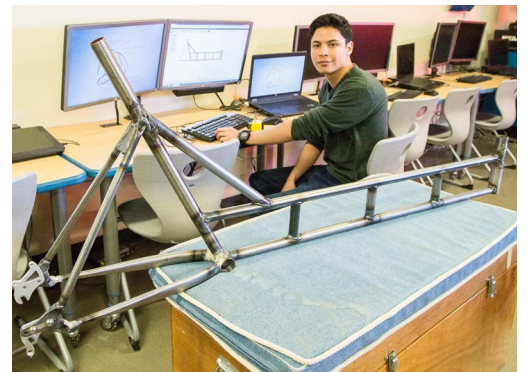
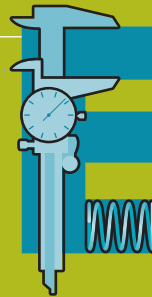
- The median annual income for architecture and engineering occupations is **\$79,180**.
- Engineering occupations are projected to grow 10–14% by 2026, adding **194,300 jobs**.\*

\*US Bureau of Labor Statistics



## COLLEGE MAJORS

- Engineering (design, mechanical, biochemical, electrical, civil, aerospace)
- Mechanical Design and Fabrication
- Design Technology
- Engineering Technology



## CONTACT

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