



## Construction & Solar Energy Pathway

Mounds View Public Schools offers our students the opportunity to explore a variety of careers through specific coursework aligned to industry pathways. Exploration continues with exposure to industry experiences that allow students to follow their interests and prepare for further study, training or work opportunities. These opportunities may lead directly to careers or to a variety of post-secondary options.

Working directly with their deans, students can enroll in one or more recommended pathway core courses depending on interest areas. Some of these courses offer the opportunity to earn free college credit. The intent of pathways is to offer students the opportunity to explore different careers prior to graduating from high school.

## INDUSTRY SECTOR: Construction, Engineering, Manufacturing & Technology

### SOLAR THERMAL TECHNICIANS

 **WAGE**  
**\$27/HR**

**OUTLOOK:** THIS CAREER IS CURRENTLY  
NEW AND EMERGING

**EDUCATION:** HIGH SCHOOL DIPLOMA  
OR EQUIVALENT

### HEATING & AIR CONDITIONING MECHANICS & INSTALLERS

 **WAGE**  
**\$26/HR**

**OUTLOOK:** THIS CAREER IS CURRENTLY  
IN VERY HIGH DEMAND

**EDUCATION:** POST-SECONDARY CERTIFICATE  
OR DIPLOMA

### MECHANICAL ENGINEERING

 **WAGE**  
**\$38/HR**

**OUTLOOK:** THIS CAREER IS CURRENTLY  
IN VERY HIGH DEMAND

**EDUCATION:** BACHELOR'S DEGREE

For more information regarding occupation outlooks, pay scale and post-secondary requirements, please go to <https://mn.gov/deed/data/lmi-career-explorers/>



Students interested in the construction & solar energy pathway can take a variety of core courses and general education courses offered at Mounds View or Irondale to explore their interests and prepare them for career and/or post-secondary opportunities. Courses offered in our high schools may offer students the opportunity to earn college credit.

### Recommended Technical Core Courses:

- Intro to Engineering Design I & II (PLTW)
- Digital Electronics
- How to Make Almost Anything I, II & III
- Construction & Solar Energy
- Welding

### Recommended General Education Courses:

- ARCC Communication Studies
- ARCC College Writing, AP Lang/Comp or CIS Comp
- ARCC Physics
- ARCC Biology
- ARCC College Algebra
- Century College Energy Concepts

### Post-Secondary Opportunities:

College-level courses are interspersed throughout each pathway. Students planning to continue their studies in the pathway may be able to transfer college credits for use in an academic program at the post-secondary institution of their choice. See your high school dean for more information regarding credit transfer.

### Career Exploration:

Courses offer access and opportunities for students to continue their career exploration and exposure via industry experts, tours of local facilities, industry specific career fairs and the possibility of job shadowing, internship or paid employment experiences.

**For more information regarding pathways, please contact:**  
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