

## CAREER & TECHNICAL EDUCATION CIVIL ENGINEERING

The Civil Engineering Pathway pairs students with the love of designing, building and maintaining roads, bridges, canals, airport and railways.

Students will utilize the design process to create engineering drawings with 3D software, all while you invent and design solutions to everyday challenges.

### CAREERS IN CIVIL ENGINEERING

#### TECHNICAL CAREERS

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

- CNC Programmer
- Surveyor
- Estimator
- Laser Cutter Technician
- Automotive Machinist

#### PROFESSIONAL CAREERS

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

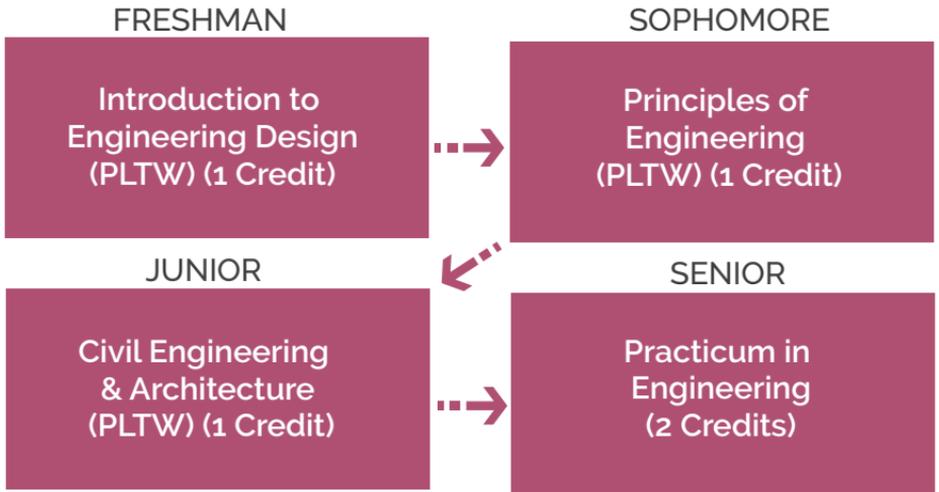
- Civil Engineer
- Patent Agent
- Mechanical Engineer
- CNC Prototype Engineer
- Construction Engineer

# CIVIL ENGINEERING COURSE SEQUENCE

CLUSTER: STEM - Science, Technology, Engineering & Math

CAMPUS: MHS

ENDORSEMENT: STEM



## 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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