

Overview

Designing, building, and maintaining structures, devices, systems, materials, and processes through a combination of scientific, economic, social, and practical knowledge and skills in order to solve problems to improve the world around us.

Potential Careers

aerospace engineer - agricultural engineer
analytical chemist - architectural engineer
astrophysicist - biomedical engineer - civil engineer
CAD technician - computer programmer - ecologist
electrical engineer - geologist - geothermal
engineer math teacher - metallurgist - quality
engineer software engineer - statistician - structural
engineer survey technician - systems engineer
electronics technician - engineering technician
robotics engineer

Local Postsecondary Degrees

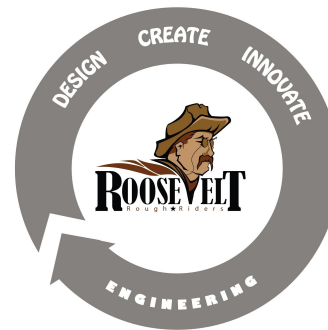
Associate's Degree
Associate in Engineering Science
Rock Valley College

Bachelor's Degree
Bachelor of Science in Mechanical Engineering
Northern Illinois University

Master's Degree
Master of Science in Electrical Engineering
Northern Illinois University



Engineering Pathway



Inclusive, Adaptive, Individualized

Pathway Lead Teacher

Brent Fritz
brent.fritz@rps205.com

Pathway Coursework at Roosevelt

PLTW Intro to Engineering Design
PLTW Principles of Engineering (in development)
PLTW Civil Engineering & Architecture (in development)
MET 100: Intro to CAD & Print Reading*
MET 110: Manufacturing Processes*

**Rock Valley College Dual Credit*

Pathway Certifications at Roosevelt

(in development)

Pathway Clubs

(in development)

