



# GABI

ELECTRICAL ENGINEER

NSWC CRANE

## TOP 5 SKILLS AND ABILITIES

Advanced Math and Science

Complex Problem Solving

Perseverance

Engineering Design Process

Active Listening

## CURRICULUM RESOURCES

- You Are an Engineer (K-2)
- The Power of Wind (3-5)
- Catapults! (6-8)
- Operation Marble Drop (9-12)

## ABOUT GABI

Gabi is an electrical engineer at NSWC Crane in southern Indiana. She is training to be a specialized engineer who deploys overseas with soldiers and designs solutions to problems they encounter while on the job. What Gabi likes most about engineering is that she gets to come up with creative solutions to real problems and, at Crane, those solutions help keep soldiers safe. When presented with a problem, engineers engage in a process that involves understanding the problem, brainstorming solutions, creating a preliminary design, testing and redesigning. This process helps engineers come up with effective solutions that improve the lives of people using their products.

As the only female electrical engineering student in her college classes, Gabi feels that further diversifying the field can only result in more innovative solutions to today's problems. She was particularly drawn to electrical engineering because of the challenges of creating more and cleaner energy than ever before. Through perseverance and problem solving she knows that electrical engineers will be involved in those solutions.

Engineers specialize in many different areas including mechanical, civil, chemical and electrical engineering to name a few. As industries continue to grow and change, engineers are in high demand in southern Indiana and the nation.



You start putting things together, testing it, seeing what works, seeing what doesn't... it's a cycle of constant improvement.



[Click here to see Gabi on the job!](#)

Related Careers	Required Degree or Certification	Median Income
Certified Electronics Technician		\$37,900
Electrical Engineering Technician	Certificate	\$64,060
Electromechanical Engineering Technologist		\$64,060
Electrical Engineering Technologist	Associate Degree	\$64,060
Electronics Engineering Technologist		\$96,290
Mechanical Engineer	Bachelor Degree	\$83,600+
Electrical Engineer		\$88,020+
Computer Systems Engineer		\$76,750+

## POST-SECONDARY PROGRAMS IN ELECTRICAL ENGINEERING TO EXPLORE

### Ivy Tech

- Electrical Engineering Technology (AS)
- Engineering Technical Certificate
- Engineering (AS)
- Electronics & Computer Technology Technical Certificate
- Electronics & Computer Technology (AS)

### Purdue University

- Electrical Engineering
- Mechanical Engineering

### Vincennes

- Electronics Fundamentals Certificate
- Electronics Technology (AS)
- Electrical/Computer Engineering (AS)
- Mechanical Engineering (AS)
- Engineering Science (Purdue/VU Transfer)  
\*Jasper and Vincennes campuses

### Purdue Polytechnic Institute

- Electrical Engineering Technology
- Energy Engineering Technology