



MATT

MECHANICAL ENGINEER

NSWC CRANE

TOP 5 SKILLS AND ABILITIES

Advanced Math and
Science Skills

Recognizing and Analyzing
Problems

Spacial Reasoning

Engineering Design Process

Active Listening

CURRICULUM RESOURCES

- You Are an Engineer (K-2)
- Boats That Float (3-5)
- Spuds to Subs (6-8)
- Lend a Hand (9-12)

ABOUT MATT

Matt is a mechanical engineer at the NSWC Crane in southern Indiana. As a civilian employee, Matt designs, builds, and repairs sensor systems that go on Naval ships, vehicles, and aircraft. Matt uses 3D printing and prototyping to create and test new designs, ensuring that the final products work correctly before they are sent into the field.

Engineers want to know how and why things work and mechanical engineers focus on designing physical tools and equipment, like Matt's sensors. Like all engineers, mechanical engineers develop and test prototypes for new designs and revise and repair existing ones. Matt started his career at Crane as a summer co-op student while still in college. This early employment experience led to a full time career.

An engineer is someone who designs and builds complex products, machines, systems, or structures. Mechanical engineers generally have a bachelor's degree and most engineering schools have a specific mechanical engineering major. Many schools offer co-operative education or internship options.



Anytime something goes wrong,
we're the ones that fix it... if we
don't do our job right then they
can't see the enemy.



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

Related Careers	Required Degree or Certification	Median Income
Mechanical Drafter		\$34,130
Manufacturing Engineer Technologist	Certificate	\$50,710
Mechanical Engineering Technician		\$60,260
Electrical Engineering Technician	Associate Degree	\$64,060
Manufacturing Engineer		\$76,010
Industrial Engineer	Bachelor Degree	\$76,730
Mechanical Engineer		\$83,600+
Electrical Engineer		\$88,020+

POST-SECONDARY PROGRAMS IN MECHANICAL ENGINEERING TO EXPLORE

Ivy Tech

- Industrial Mechanical Certificate
- Industrial Mechanical Technology Certificate
- Engineering (AS)
- Engineering Technology (AS)
- Mechanical Engineering Technology

Purdue Polytechnic Institute

- Mechanical Engineering Technology
- Mechatronics Engineering Technology

Vincennes

- Mechanical CAD Certificate
- Mechanical Engineering (AS)
- Product Design and Production Processes (AS)
- Industrial Development (BS)
- Engineering Science (Purdue/VU Transfer)
- *Jasper and Vincennes campuses

Purdue University

- Mechanical Engineering