



CAREER PROFILE | GRADE RANGE: 6–8

Product Development Engineer

AM I...

- Good at Math?
- An innovative problem solver?
- Analytical?

DO I...

- Like working with teams?
- Like new technology?
- Communicate effectively?

Every business needs a professional who can bring its people and teams together to solve problems. A **Product Development Engineer** does this while leading a team that is responsible for managing design, prototyping, and testing the development of energy efficient and sustainably sourced products.

WHAT IS A PRODUCT DEVELOPMENT ENGINEER?¹

Product Development Engineers consider Trane Technologies' goal of creating comfortable, energy-efficient indoor environments for buildings and homes, in order to come up with ideas for new products. Then, they design and test them. They also ensure that all new products meet industry standards for performance and safety.

CAREER OUTLOOK²

As technology changes, new products are constantly developed and innovated, and companies need Product Development Engineers to design and test them. This career is expected to grow much faster than average.

Projected job growth: 14% (2020–2030)

Annual median salary: \$95,300

¹ <https://www.betterteam.com/product-development-engineer-job-description>

² <https://www.bls.gov/oo/architecture-and-engineering/industrial-engineers.htm>

IS BECOMING A PRODUCT DEVELOPMENT ENGINEER A GOOD CAREER FOR ME?

Product Development Engineers are:

- Creative
- Innovative problem solvers
- Analytical
- Effective in both written and verbal communication
- Technologically savvy
- Team players
- Strong in math

HOW DO I BECOME A PRODUCT DEVELOPMENT ENGINEER?

You will need to:

- Take classes in STEM subject areas
- Develop your communication and teamwork skills
- Learn 3D modeling software
- Get job experience working in engineering of new products