



Career Cards

ROBOTICS ENGINEER

CAREER

Robotics Engineers are behind the creation of robots that explore the ocean floor, assist in delicate medical surgeries, and even work alongside astronauts in space missions

PASSION

Creating intelligent machines that solve real-world problems and improve everyday life

JOB DESCRIPTION

- Designing, developing, and improving robotic systems for industrial, medical, military, or consumer applications
- Building and assembling prototypes to test new robotic designs and functions
- Collaborating with software developers, mechanical engineers, and AI specialists to integrate complex system
- Testing and troubleshooting robotic equipment



Career Cards

ROBOTICS ENGINEER

QUALIFICATIONS

- Bachelor's or Master's degree in robotics, mechanical, electrical, or computer engineering
- Proficiency and education in Maths and Physics
- Programming experience and proficiency with programming languages



KNOWLEDGE & SKILLS

- Familiarity with Computer-Aided Design (CAD), 3D modelling software and simulation tools
- Problem-solving and critical thinking skills
- Knowledge of machine learning, computer vision, and sensors
- Good communication and teamwork skills
- Familiar with AI tools and eager to explore how they can be used effectively within the role

