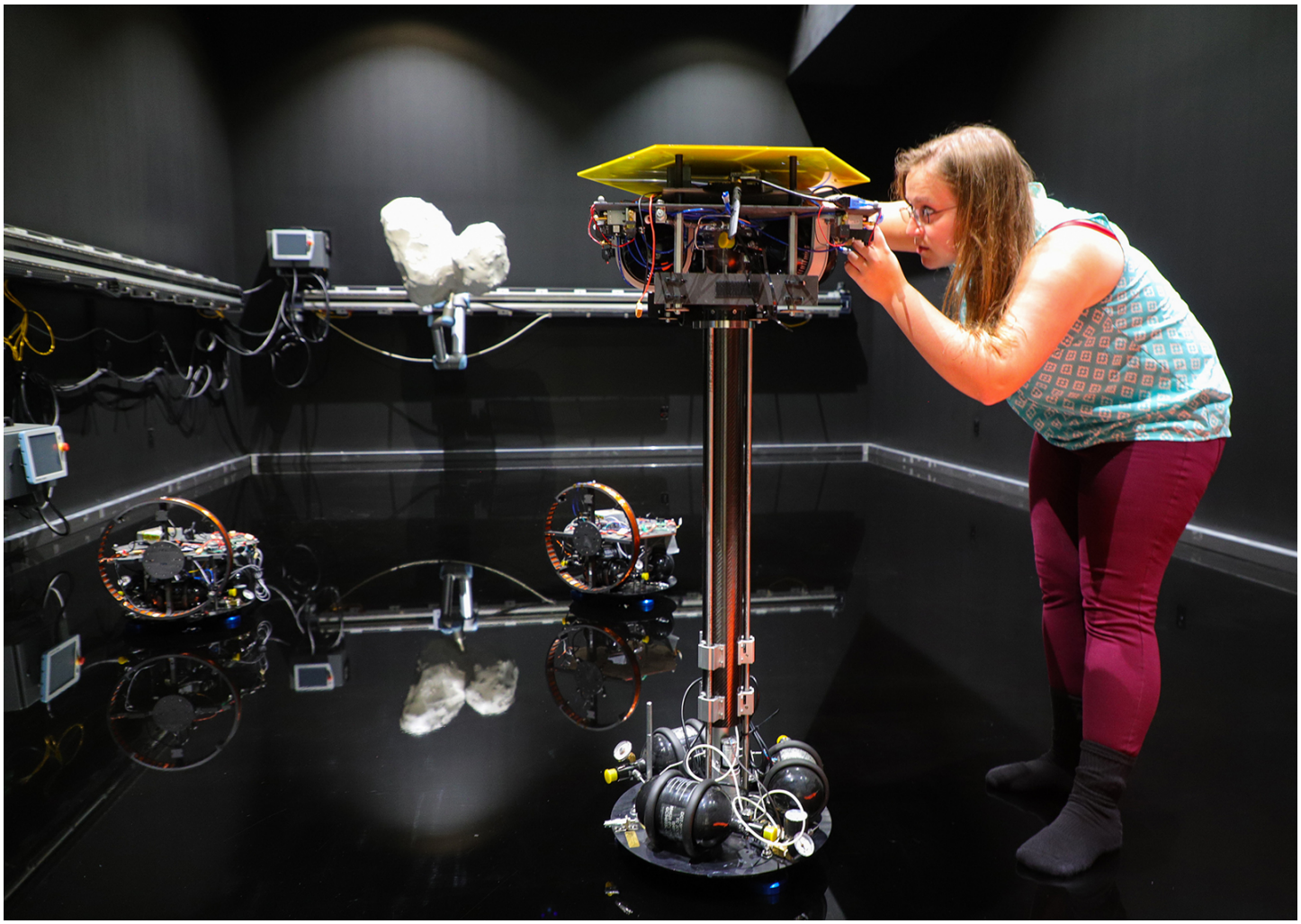
My NASA Data - STEM Career Connections

TECHNOLOGY: Engineering Technician



Education

Engineering technicians typically earn a two-year Associate of Science degree. Some may continue for two additional years and obtain a bachelor's degree in engineering technology. Others may earn a bachelor's degree in engineering or one of the physical sciences. A few complete a five-year apprenticeship program offered at some NASA field centers.

If you think you would be interested in a career in aerospace technology, check your potential for success by answering these questions:

- Do you enjoy math and science?
- Do you have an inquisitive and searching mind?

- Are you interested in knowing what makes things work?
- Do you like to solve problems and puzzles?
- Do you like to create things?
- Do you enjoy learning?
- Do you enjoy working with computers?
- Do you like to build things?
- Are you prepared to study hard and do homework?
- Do you achieve good grades?

If you answered yes to most of the questions, you may want to consider an engineering technician.

Related Fields

- Civil Engineering Technician
- Electrical Technician
- Engineering Tech
- Senior Engineering Technician
- Electronics Technician

Work Description

An engineering technician is primarily skilled in a specific branch of engineering and often assists engineers and technologists in research and development of projects or in the post-development operation or implementation stages.

Typical job responsibilities may include (but are not limited to) the following tasks:

- Conducts research tests and experiments based on customer requirements or specifications in accordance with safety policies and rules and by established deadlines.
- Reports changes in negotiated test/experiment requirements or schedule in advance of test to the Lab Manager or Supervisor.
- Demonstrates technical knowledge and understanding of facilities research capabilities, deciding on equipment, hardware, or instrumentation needs and other resources required for tests or experiments.
- Provides technical design modifications for enhancements to test hardware and facility systems in accordance with NASA and Occupational Safety and Health Administration (OSHA) safety rules, regulations, policies and procedures.
- Performs work in keeping with safety and occupational health standards, rules, regulations, policies and procedures. Keeps a clean and safe work environment.

Why is this job Important?

Engineering technicians work with larger teams of professionals to solve technical problems. They

may be involved with building and testing equipment, conducting experiments, creating new models, and increase efficiency in products or systems.

Salary Range

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$50,000 - $75,000

NASA Connections

Job Title NASA Examples:

- Mechanical Engineering Technician
- Electrical Engineering Technician
- Aerospace Engineering Technician
- Spacecraft Technician

NASA Career Links:

- NASA Careers Link
- NASA Internships & Fellowships Pathways Link
- NASA Student Volunteer Program Link
- Working for NASA Link