



ABOUT G-CREWS

The project is jointly financed by the Green Climate Fund (GCF) and the German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) under its International Climate Initiative (IKI), and the Government of Grenada.

Over 7 years, the Government of Grenada, the Grenada Development Bank and the National Water and Sewerage Authority (NAWASA) in partnership with the German Development Corporation (GIZ) will implement the project's five components.

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IS ENGINEERING FOR ME?

1. Do you like figuring out how things work by taking them apart or analyzing them?
2. Do you enjoy solving problems and designing creative solutions?
3. Are you interested in subjects like Math, Chemistry, Physics, or Computer Science?
4. Do you like working in teams to tackle challenges and create innovative ideas?
5. Are you detail-oriented and careful when completing tasks or projects?
6. Do you want to make a positive impact on your country through technology or engineering?
7. Are you willing to continuously learn and stay updated with new developments in technology?

If you answered **yes** to any or all of the above questions, a career in engineering is for you.

Talk to your parents, teachers or guidance counselor to learn more!



BECOMING ENGINEERS

Are you interested in a hands-on, innovative career in engineering?
Discover a field that's both challenging and rewarding, with great job security and competitive salaries.

The G-CREWS project offers this educational brochure to help you start your journey into the world of engineering today.



WHO IS AN ENGINEER?



Engineers are trained professionals who use scientific knowledge and expertise to design, build and maintain products and systems for use by human beings.

Engineers design and build everything from bridges and buildings to cutting-edge technology, making a real impact on our daily lives.

Engineering is more than just a job—it's an exciting world where creativity meets problem-solving through math and science.

The words "engineer" is derived from the Latin word "ingenious" which means "to create."

WHAT DO ENGINEERS DO?

As one of the key STEM (Science, Technology, Engineering and Maths) fields, Engineers come with a wide range of interests, talents, and strengths. Some excel at planning and designing cities or structures, while others are passionate about technology, working on robots, or spacecraft.

When it comes to answering the question, "What does an engineer do?" the possibilities are endless!

In practice, engineers look at the world and think about how to make it better.



TYPES OF ENGINEERS



Civil Engineer - helps solve challenges related to infrastructure. This includes: roads, bridges, tunnels and water or sewer systems. They often work with cities, towns, or governments on projects.

Water Resource Engineer/ Hydraulic engineer - are responsible for managing, designing, and implementing projects related to water resources.

Mechanical Engineer - is responsible for designing machines from household appliances to jets. Mechanical Engineers use their abilities to solve problems for people and companies, from making life more comfortable to creating more environmentally friendly machines.

Electrical Engineer - works with electrical components like computers and motors. Many industries hire electrical engineers from research facilities to manufacturing plants.



WHAT DO I NEED?



DURING HIGH SCHOOL/COLLEGE

Develop your knowledge in Math and Science. Engineers are typically proficient in the areas of math and science.

Science subjects such as Chemistry, Physics and even Biology are necessary to pursue a field in engineering.

DURING UNIVERSITY

A bachelor's degree in the engineering field of your choice is the main requirement for a career in engineering.

You can then go into specialization such as integrated water resource management for your Masters Degree.



DID YOU KNOW?

The ancient Romans were master engineers. They built roads, aqueducts, and bridges using techniques so advanced that some weren't surpassed in Europe until the 18th century! Many of their structures, like the Pont du Gard aqueduct and the Appian Way, are still standing today, showcasing their incredible engineering skills.