Career Readiness Challenge

As the world continues to become more technical, an increasing number of professions rely on some version of the engineering design process to identify and solve problems. An occupation that uses the engineering process is an aerospace engineer.

An aerospace engineer uses a process remarkably like the engineering process when making aircraft. They first start off with conceptual design, with is remarkably like the first three principles of the design process. Rough sketches and beta blueprints are a part of this, they consider proportions, aerodynamics, building elements, and engine power. Designers must account for every little detail and thing.

Aerospace engineers are often full-time employees. Engineers who oversee projects frequently put extra time to keep track of developments, make sure designs adhere to specifications, figure out how to gauge aircraft performance, make sure production adheres to design standards, take part in test flights and first flights, and make sure deadlines are met.

A bachelor's degree in aerospace engineering or a related branch of engineering or science is required for aerospace engineers. Security clearance may be required for aerospace engineers working on national defense-related projects. For

some types and levels of clearances, U.S. citizenship may be necessary.