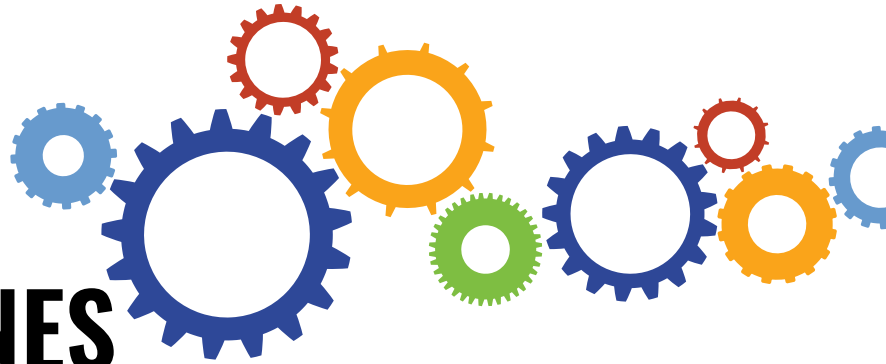




# ENGINES



## How long would it take to build an engine?

Building and assembling the components of a jet engine takes about two years, in addition to a design and testing period that can take up to five years for each model.

*How Products Are Made: Jet Engine,*

*<http://www.madehow.com/Volume1/JetEngine.html>, retrieved December 13, 2018*

## How many people are involved in the design of an engine?

Depending on the type of engine and the era in which it was produced, the process of designing, developing, manufacturing and testing of an aircraft engine can involve pass through hundreds of hands before it reaches completion.

## What are the specific professions of engine designers? What type of subjects did they study?

There is no shortage of professional occupations for those interested in aerospace. Engineering, Design, Computer Programing, and Technical Trades all play integral roles in the aerospace industry. These include, but are not limited to:

### Engineering:

- Aerospace Engineering
- Mechanical Engineering
- Electrical Engineering
- Material Engineering
- Computer Hardware/Software Engineering
- Industrial Engineering

### Computer Programing:

- Computer Programs
- Testing Technicians

### Technical Trades:

- Welding
- Mechanical Technicians
- Painting & Finishing
- Engine Maintenance

### Design:

- Concept Design
- Component Design

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## What are the specific professions of engine designers? What type of subjects did they study?

But in order to pursue these professional careers, motivated individuals must first do well in school. Subjects of study for these types of fields include, but are not limited to:

- Art & Design
- Astronomy
- Biology
- Biochemistry
- Engineering
- Chemistry

- Coding
- Computer Studies
- Economics
- Engineering Design
- History
- Mathematics

- Meteorology
- Microbiology
- Physics
- Programming Science
- Shop Classes

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