

CAREER PATHS

IN

MECHANICAL ENGINEERING

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1 IS MECHANICAL ENGINEERING A GOOD CAREER CHOICE?

Absolutely! Your work can change the world.

◆ **A secure future:**

Job growth 4% from 2018 to 2028 and even more, depending on the industry.

◆ **A broad set of expertise:**

Technical and mechanical skills, math skills, IT skills and analytical thinking, communication and leadership skills, problem-solving skills, creative thinking.



◆ **A good salary:**

Median annual wage was **\$87,370** in May 2018.

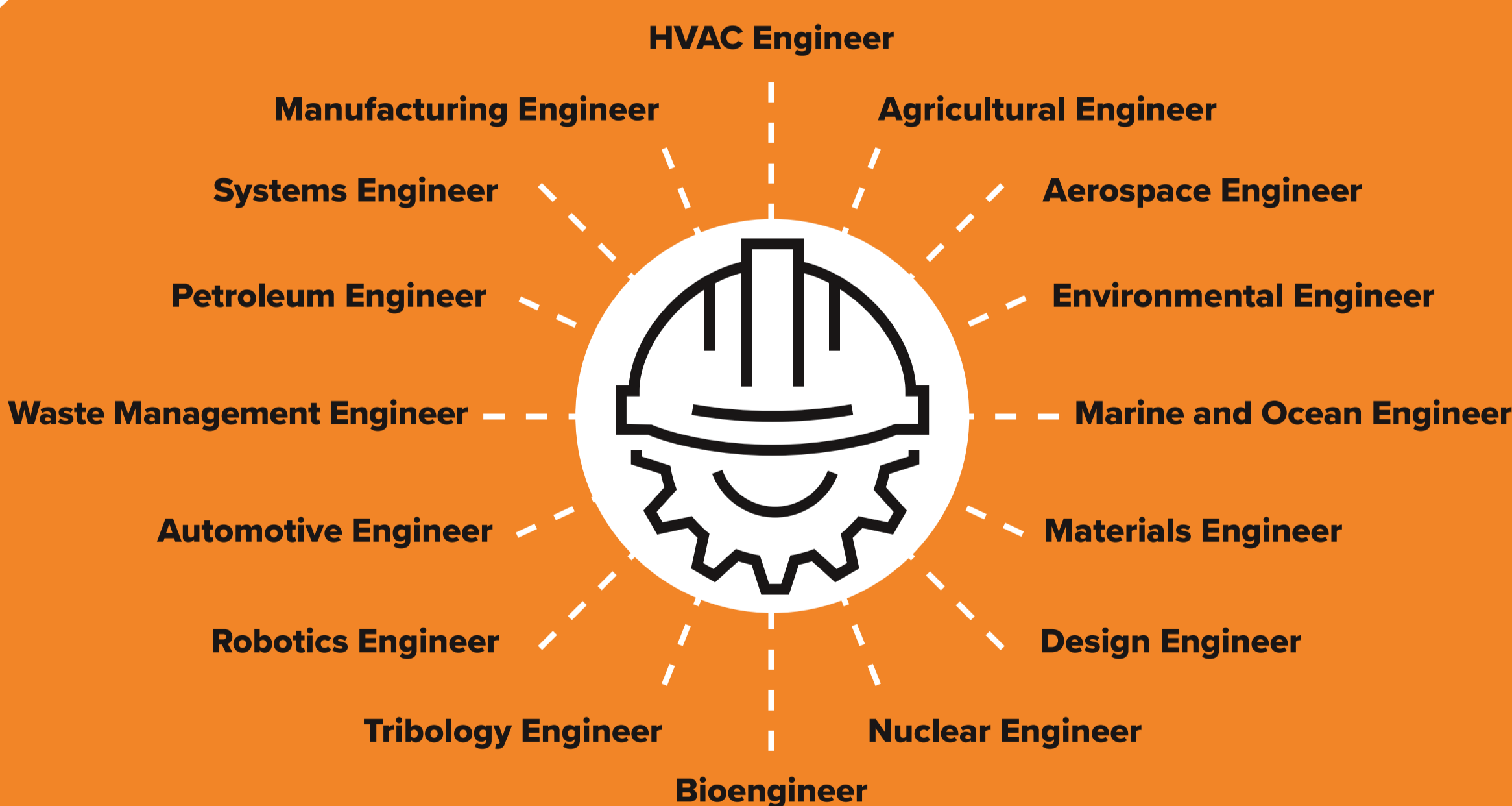
◆ **You can work practically in any industry anywhere in the world.**

2 HOW TO START A CAREER IN MECHANICAL ENGINEERING?

Bachelor's Degree → **An Entry-Level Job** in one of the industries employing the biggest number of engineers

INDUSTRIES	SKILLS NEEDED
ENGINEERING SERVICES These are consulting companies with a project-based work structure.	<ul style="list-style-type: none"> ◆ Project management skills ◆ Communication skills ◆ CAD, simulation, and other software proficiency
MACHINERY MANUFACTURING These are assembly plants and suppliers that work on designing and manufacturing industrial and commercial machinery.	<ul style="list-style-type: none"> ◆ Technical skills including design, testing and analysis, fabrication and machining processes ◆ Additive manufacturing familiarity ◆ CAD, simulation, and other software proficiency
SCIENTIFIC R&D These are private, public, government, or corporate R&D laboratories and facilities.	<ul style="list-style-type: none"> ◆ Creativity ◆ Problem-solving skills ◆ Math skills ◆ Analytical thinking
AEROSPACE MANUFACTURING These are the facilities that design and build engines and other components for the aerospace industry.	<ul style="list-style-type: none"> ◆ Mechanical skills, understanding aerospace technology ◆ CAD and other software proficiency ◆ Technical skills, including machining processes ◆ Communication skills and creativity
FEDERAL GOVERNMENT The U.S. federal government is the country's biggest employer, and these jobs include working for NASA, Department of Defense, or other agencies.	<ul style="list-style-type: none"> ◆ They will vary from job to job

3 WHAT JOBS CAN A MECHANICAL ENGINEER DO?



4 HOW MUCH DO MECHANICAL ENGINEERS GET PAID?

Salaries vary because of many factors, including work experience, degrees, certifications, location, and the industry. Here are some annual mean wages that mechanical engineers are paid, depending on their industry:

Oil and Gas Extraction	\$126,880
Waste Treatment and Disposal	\$120,200
Waste Management Services	\$109,560
Petroleum and Coal Products Manufacturing	\$108,980
Spectator Sports	\$107,110
Scientific R&D	\$103,720
Aerospace Manufacturing	\$103,000
Federal Government	\$99,370
Engineering Services	\$97,310
Engine, Turbine, and Power Transmission Equipment Manufacturing	\$96,890
Transportation Equipment Manufacturing	\$86,030
Household Appliance Manufacturing	\$84,440
Machinery Manufacturing	\$84,240

Source: U.S. Bureau of Labor Statistics