

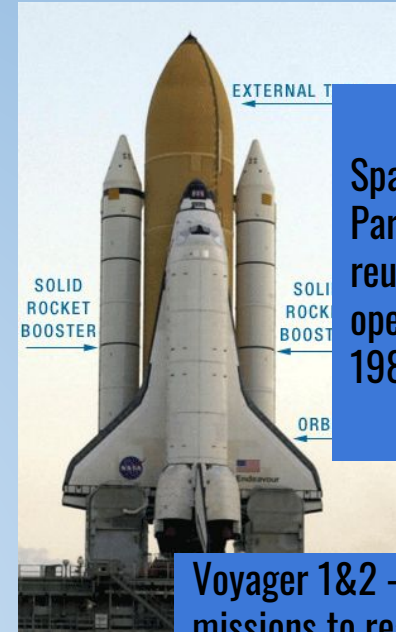
Aeronautical & Aerospace Engineering



What is it?

A&A engineering would mainly fall under the category of mechanical engineering. When building a spacecraft, you need engines, boosters, and so much more.

Aerospace engineers develop air and space crafts. Examples include rockets, military planes, satellites, and shuttles. Aerospace engineering often overlaps with aeronautical and astronautical engineering.



Space Shuttle - Partially reusable, operated from 1981-2011.

Voyager 1&2 - First ever missions to reach interstellar space and the outermost part of the solar system

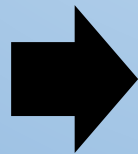


B2 Bomber - Low observable stealth technology & designed for anti aircraft defenses

Astronautical & aeronautical engineers also incorporate thermodynamics, aerodynamics, and propulsion into their work.



Engineering the Tools of Scientific Discovery:



There are many unanswered things in nature. Scientists and engineers both work to answer the big questions of life like, who are we? & where do we come from? But most of all, are we alone in the universe? By creating spacecrafts that can fly to nearby stars and creating deep sea exploration bots, we can answer the questions that have puzzled mankind for centuries.

By answering these questions one step at a time, we are advancing the human race greatly beyond our limitations as humans.

As an engineer in aerospace, you could create the first spacecraft to visit a neighboring star. As an engineer in aeronautics, you could create the fastest, most efficient, commercial plane ever.