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Aerospace engineering is the primary field of engineering concerned with the development of aircraft and spacecraft. It has two major and overlapping branches: aeronautical engineering and astronautical engineering. Avionics engineering is similar, but deals with the electronics side of aerospace engineering.

"Aeronautical engineering" was the original term for the field.

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**Aerospace Engineer Glider 14.** The rate at which temperature decreases with an increase in altitude. **Rocket Wing Span Lapse Rate Glider 15.** Aircraft speeds under Mach 1. **Subsonic Wing Span Thrust Script 16.** A type of aircraft deriving both lift and

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Aerospace engineering deals with designing and building machines that fly. It is one of the newest branches of engineering, and began in the 19th century with the first experiments in powered flight.

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The basic flight instruments : Magnetic compass-- Like the compass in a car or boat, it tells about the airplane's heading -- the direction it's flying. It requires no power source. Airspeed indicator-- It shows the speed of the airplane through the air.

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At some universities, a student can enroll in a 5-year program that leads to both a bachelor's degree and a master's degree upon completion. A graduate degree will allow an engineer to work as an instructor at a university or to do research and development. Programs in aerospace engineering are accredited by ABET. Important Qualities

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Aeronautical Engineering is one special stream of science which strictly deals with the study, design, as well as manufacturing of the flight-capable machines, in addition to the techniques of operating the aircraft.

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Good question! While many people talk about the huge differences between aeronautical engineering and mechanical engineering, they are in general very similar, with aeronautical engineering being highly specialized mechanical engineering with a fe...

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Fundamentals of Aerospace Engineering is a text book that provides an introductory, thorough overview of aeronautical engineering, and it is aimed at serving as reference for an undergraduate ...

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Aeronautical engineers can work on planes, helicopters, and fighter jets, all the way to boats and cars. Anything that involves aerodynamics is something you could see an aerospace engineer ...

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*How to Become an Aeronautical Engineer in 5 Steps*

If they asked this Aeronautical Engineer what were the most important basics to my profession, I would have to say:

Aerodynamics; Systems Integration; Understanding aviation.

[Beginner's Guide to Aeronautics - Glenn Research Center](#)

Aerospace Engineering 1. A vehicle - missile - or aircraft which obtains thrust by the reaction to the ejection... 2. A thin layer of air next to the surface of an airfoil which shows a reduction in speed due to... 3. A built in twist in the wing so that the trailing edge at the wingtip is raised ...

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