



Aerospace Engineer

Aeronautics Research Mission Directorate



Website

www.nasa.gov/directorates/armd/



Email

aerospace.careers@nasa.gov



474-125-2348

Salary Range
\$110k - \$160k

Education Requirements

- Bachelor's Degree in Aerospace Engineering or related field
- Master's or PHD in aerospace engineering or related field (preferred)

Skills Required

- Analytical Problem Solving Ability
- Project Management
- Efficient Decision-Making
- Strong Written and Verbal Communication
- Strategic Business Understanding
- Advanced Mathematical Aptitude

Position Description

You will contribute towards integral research in areas of aerodynamics and propulsion. Your role will feature designing, testing, implementing, and improving aircraft and spacecraft systems to optimize safety and efficiency. You will work together and collaborate with a diverse team on projects to solve complex engineering challenges and issues, helping to ensure that NASA's programs and innovations are at the forefront of advancement in the aerospace field.

Experience & Certification Requirements

Experience with -

- Professional research and design in aerodynamics, propulsion, or flight control systems using computer-aided design software
- Testing and simulating aerospace systems through computational modeling
- Managing cross-functional projects
- Applying advanced mathematics for real-world technical optimization
- Complete process documentation and compiling reports

Certifications required -

- Professional Engineer (PE) License

Responsibilities

- Conduct research and analysis on flight/aeronautical data
- Create and test prototypes involving aerospace components
- Repair and troubleshoot any malfunctions
- Collaborate with missions teams to meet design and performance goals
- Assess project proposals, plan, control, and report on space project activities

References

Gipson, L. (2024, Dec 12). *Aeronautics Research Mission Directorate*. NASA.gov.

<https://www.nasa.gov/directorates/armd/>

[NASA STEM]. (2021, Feb 24). *NASA STEM Stars: Aerospace Engineer* [Video]. YouTube.

https://www.youtube.com/watch?v=VAAXNhjSQqA&list=PLTUZypZ67cdteB_I646K7iSt1h_yBJFLx&index=68&t=485s

U.S. Bureau of Labor Statistics. (2024, Aug 29). *Aerospace Engineers : Occupational Outlook Handbook*.

BLS.gov. <https://www.bls.gov/ooh/architecture-and-engineering/aerospace-engineers.htm#tab-1>