

BACHELORS AEROSPACE ENGINEERING

TOP INDUSTRIES

1. Aerospace & Defense
2. Government/Military
3. Software & Computer Services
4. Technology Hardware & Equipment
5. Industrial Engineering & Transportation

SAMPLE JOB TITLES

- Aerospace Engineer
- Flight Dynamics Engineer
- Fluids System Engineer
- Manufacturing Engineer
- Patent Engineer
- Propulsion Engineer
- Simulation Engineer
- Software Engineer
- Spacecraft Flight Operations
- Structural Design Engineer
- Systems Engineer
- Test Engineer

TOP HIRING COMPANIES



SAMPLE HIRING COMPANIES

- ABL Space
- AeroDynamic Advisory
- Amazon
- Applied Dynamics
- ASML
- BAE Systems
- Ball Aerospace & Tech
- Belcan Engineering
- Blue Origin
- BlueHalo
- Capital One
- Electra.aero
- ESTECO
- EY Parthenon
- FAAC
- Firefly Aerospace
- Ford Motor Company
- Garmin
- General Atomics
- General Electric
- GE Aviation
- Google
- Gulfstream Aerospace
- InDepth Eng. Solutions
- Intermode
- John Deere
- Johns Hopkins APL
- KBR
- Leidos
- Leonardo
- MathWorks
- Maxar
- Michael Best & Friedrich
- Microsoft
- NASA
- Naval Air Systems
- Naval Surface Warfare Center
- Parker Hannifin
- Pratt & Whitney
- PwC
- Q Hydrogen Solutions
- Raytheon
- Rolls-Royce
- Roush
- Ruger Firearms
- SKF Group
- TU Dortmund
- Velo3D
- Voya Financial
- Yapp Automotive

FULL TIME ANNUAL SALARY

Average: \$82,724

Min	Median	Max
\$64,800	\$80,000	\$142,000

INTERN MONTHLY SALARY

Average: \$4,527

Min	Median	Max
\$2,080	\$4,420	\$10,512

Industry, Company, and Salary Data are from 2021-2022. Job Titles are from 2019-2022.
Visit career.engin.umich.edu/career/salary-info for more comprehensive data.

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SAMPLE ELEVATOR PITCH

Hi, I'm NAME. I'm a sophomore studying Aerospace Engineering and I'm interested in your aeronautics internship.

I'm involved M-Fly on the Propulsion sub team where I have tested motor-propeller combinations to find the optimal thrust for the SAE Aero Design competition. I also serve as the Outreach Chair in the Black Students in Aerospace organization.

I'm hoping to apply my design and leadership skills in your aeronautics internship, specifically on your autonomous systems research. Can you share more about the program?

SAMPLE IMPACT STATEMENT

Before – Summarized test data from engines

After – Synthesized and analyzed temperature stress data from sensors on the engine tubing to determine which parts need improvement.

KEY COURSES

AEROSP 305 – Aerospace Engineering Laboratory I; fundamentals of instrumentation and measurement application of analog and digital data acquisition, analysis of discrete measurement data

AEROSP 405/388 – Aerospace Engineering Laboratory II; advanced testing and measurement applications

AEROSP 481/483 – Aircraft or Space Systems Design; senior design of an aircraft or space system with sub-disciplines of aerodynamics, performance, stability and control, propulsion, structures, aeroelasticity, mission planning, launch vehicle integration, propulsion, power systems, communications, budgeting, and reliability

KEY SKILLS

MATLAB & Simulink – coding language and graphical programming environment for analyzing systems

Python – coding language

CAD Softwares – SolidWorks, AutoCAD, and Fusion used to model aircraft parts

Systems Tool Kit (STK) – software to perform analyses air and space systems

SAMPLE EXTRACURRICULARS

Sigma Gamma Tau - Honors Society

Women in Aeronautics & Astronautics

American Institute of Aeronautics & Astronautics

Michigan Aviators

Design Teams - M-Fly, MASA, MAAV, MRover, MACH, Michigan Hyperloop, Michigan Exploration Lab, MVFT

