Downloaded from <https://www.velvetjobs.com/job-descriptions/aerospace-engineer>

# Example of Aerospace Engineer Job Description

Our company is hiring for an aerospace engineer. If you are looking for an exciting place to work, please take a look at the list of qualifications below.

## Responsibilities for aerospace engineer

* Overall tasking will be to support the analysis, design, fabrication and testing of a subscale wind tunnel model to support the UPSTAR Program
* Assists in the coordination and execution of analysis and design inputs to the full size UPSTAR development program
* Use aerospace experience to perform classical hand stress analysis, finite element stress analysis and fracture analysis
* Prepare structural analysis reports and work with other engineers to find resolutions to problems
* Develop mathematical models to match the physics of the system under evaluation including proper analysis methods/tools, proper boundary conditions, and appropriate material properties
* Interpretation of analytical results and pertinent recommendations pertinent to system improvement
* Preparation of technical reports and presentations of work product to both internal and external customers
* Provide MRB disposition recommendation(s) as needed
* Architect high-fidelity multiple degree-of-freedom flight mechanics and vehicle dynamics simulation
* Evaluate simulation output versus actual test data

## Qualifications for aerospace engineer

* Ability to obtain security clearance (requires US Citizenship) required
* Some exposure to spacecraft rendezvous and proximity operations
* Bachelors Degree (BA/BS) in Engineering or Computer Science
* Applicant should have coding experience and proficiency in Matlab
* Candidate have experience in object oriented coding in C++ with control system design experience
* Candidate must have a minimum of two years of related experience is required