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

# Example of Mission Systems Engineer Job Description

Our innovative and growing company is searching for experienced candidates for the position of mission systems engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

## Responsibilities for mission systems engineer

* Technical integration of various system products
* Verification and validation of DCMS
* Integration with Dream Chaser Design & Development, Systems Integration, Safety & Mission Assurance, NASA and partner engineering and operations personnel
* Support the program efforts to interpret customer requirements and decompose them into hardware and system requirements and specifications
* Project management for the Mission Systems functional area
* Flight procedure development
* Mission planning and timeline development
* Flight rule and launch commit criteria development
* Flight design integration
* Operations documentation development, including systems manuals, operations handbooks, interface control documents, and operations interface procedure inputs

## Qualifications for mission systems engineer

* Directing teams / groups performing complex technical tasks for human spaceflight mission systems development, sustainment, and upgrade
* Outstanding communication skills and ability to articulate strategic (big picture) vision alongside tactical details
* Experience in system test planning and execution
* Program lifecycle experience from concept development and design to deployment and operational maintenance
* Experience with requirements development, interface control documentation, technical specification review, CONOPS and Mission Plan development, SOP generation
* Experience with mission integration and external interface management