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# Example of Flight Controls Engineer Job Description

Our growing company is searching for experienced candidates for the position of flight controls 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 flight controls engineer

* Working closely with suppliers to ensure requirements implemented in software meet system requirements
* Analyzing higher level requirements and defining impact to design requirements
* Revising and executing detail test procedures using simulation tools and system components
* Investigating and resolving functional non-compliance/anomalies in the lab and on airplane
* Implementing design changes for problem resolution and product improvements
* Collaborating with stakeholders and the airplane maintenance organization, ensuring timely development of maintenance documents
* Supporting flight test and airplane production
* Development of an integrated FCS’s systems architecture, redundancy management, electronic hardware design and integration, and actuator design and integration
* Requirements capture and review
* Analog and digital schematic design and oversight of circuit card layouts

## Qualifications for flight controls engineer

* Bachelor’s Degree in Physics, Computer Science, Aerospace, or Mechanical Engineering will be considered
* At least 4 years experience directly related to the responsibilities of this position
* Experience with flight controls, software, avionics, or electrical systems integration, development, and testing
* For Eng II labor grade, requires minimum 2+ years experience in subject matter technical area
* Experience on multiple engineering projects with flight controls, software, avionics, or electrical systems integration, development, and testing is required - with DO-178 Level A software or other embedded software development and testing
* Bachelor of Science Degree in Software, Systems or Aerospace Engineering