Downloaded from <https://www.velvetjobs.com/job-descriptions/additive-manufacturing>

# Example of Additive Manufacturing Job Description

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

## Responsibilities for additive manufacturing

* Advise on AM processes and materials to build parts that meet spacecraft specifications
* Continuously research and evaluate the latest advancements in the AM processes, materials and space flight qualifications
* Work proactively with Carpenter’s customers in field-based locations to qualify Carpenter’s products with AM users, identify opportunities to improve their manufacturing processes, and provide technical solutions
* Se/he will work in concurrence with the engineering design team to guarantee components producibility and design optimization on manufacturing constrains and process/cost improvement opportunities
* She/he will support the definition of best practices and guidelines for parts printing from design / material and process / machine perspectives
* She/he will support machine operators in solving manufacturing problems and establishing best practices to operate the machines
* She/he will support the identification and maturation of new applications and materials from both TRL and MRL perspective
* She/he will define and optimize of the support structures of the printed components to fulfill dimensional and metallurgical design requirements while optimizing producibility, manufacturing process and part cost
* Articulating solid value propositions based in product differentiation by applications of ADM
* Actively supporting and coaching RD&E teams on product design and rapid/flexible prototyping

## Qualifications for additive manufacturing

* Background in solid mechanics, finite element analysis and (adjoint) sensitivity analysis
* Self-starter with initiative and ability to set up, organize and execute his/her own research and meet targets
* A letter of interest (including motivation relevant to the research topic)
* A detailed curriculum vitae (including study curriculum rankings if available, relevant research experience and publications)
* Your diploma and/or official transcripts (in English)
* Two recommendation letters including full contact information of the referees