

## Job Description

**Job Title:** 3D Printing Design Engineer

**Terms of Employment:** Permanent, Full-time

**Salary Range:** \$40,000 - \$100,000 annual salary, 40 Hours per week

## Position Summary

### Essential Duties and Responsibilities:

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- Designing and analyzing 3D models using CAD software
- Collecting and maintaining historical database of 3D model CAD files
- Assisting in quality assurance of 3D printed products
- Conducting regular maintenance and troubleshooting of 3D printer and other analytical instruments (HPLC, GC, GC/MS etc.)
- Maintaining a working knowledge of current state of the art 3D printing machinery and materials
- Following safe laboratory practices

## Qualifications

- Ph.D./Master's in mechanical engineering/chemical engineering
- Experience in Solid works, AutoCAD, ProE, CATIA and ANSYS
- Knowledge about machine maintenance
- Knowledge about product quality maintains
- Knowledge about safety practices required for working with hazardous chemicals
- Working knowledge of polymer manufacturing and testing techniques is an added advantage
- Proven self-starter, ability to work in a team environment with minimal direction, and good interpersonal, time management and organizational skills
- Preference for application will be given to veterans, to Canadian citizens, and to permanent resident, in that order

**Benefits:** Medical, group insurance, short/long term disability, dental care, health care, and vision care