

U.S. FDA/CDRH Full-Time Summer Engineering Internship Opportunity

Silver Spring, MD

The U.S. Food and Drug Administration's (FDA) Division of Applied Mechanics (DAM) in the Office of Science and Engineering Laboratories (OSEL) is seeking a graduate Material, Mechanical, and/or Biomedical Engineering student (Masters level or above) for a paid research opportunity. The student will work with the Additive Manufacturing (AM) Program team. Research will focus on AM lattice performance and/or Topology Optimization (TO) for AM.

The student's responsibilities may include:

- Designing samples and fixtures.
- Fabricating samples and fixtures.
- Conducting Finite Element Analysis (FEA) simulations.
- Exploring TO workflows.
- Conducting experiments (includes using a high capacity load frame).
- Analyzing data.
- Imaging specimens.

Prior experience with laboratory work, AM, FEA, optimization theory, operation of load frames, and porous materials is preferable. The student should have hands-on experience in mechanical testing and a good working knowledge of mechanics of materials. The student will work at the U.S. FDA's Silver Spring, MD campus.

Please e-mail cover letter and resume to Dr. Daniel Porter (Daniel.Porter@fda.hhs.gov)

