



Digital Engineering Aerospace and Defense Systems Design Center

@Huntsville

Aerospace Center & W.M. Keck Center

The University of Texas at El Paso



W.M. KECK CENTER
FOR 3D INNOVATION

INTERESTED IN TECHNOLOGY ADVANCEMENT FOR THE AEROSPACE AND DEFENSE SECTOR?

(12) High School Level Positions Open!

About DEDC: Digital Engineering Aerospace and Defense Systems Design Center [DEDC] @ Huntsville is an academic-industry interchange operated by the University of Texas at El Paso (UTEP) Aerospace Center and W. M. Keck Center for 3D Innovation. DEDC is a convergence of immersive project-based learning industry-inspired learning activities, pre-professional experience, informal learning, and just-in-time learning to prepare next-generation aerospace and defense workforce with transformational digital engineering skills. The Design Center fosters a strategic partnership with Aerospace and Defense Contractors, America Makes, National Center for Defense Manufacturing and Machining (NCDMM), Advanced Manufacturing Innovation and Integration Center (AMIIC), Western Tech, & El Paso Chamber.

Positions: Engineering Intern/Hourly Positions

Job Description: The positions will contribute to a fast-paced and growing team supporting the technology advancement for the aerospace and defense sector. In this position, the individual will be expected to learn the ins-and-outs of the team's daily routines and procedures. Interns would be expected to perform digital engineering, preparing information and research materials, prepare presentations, and attend functions and networking events.

Engineering interns are sought to support Hardware Development, Systems Engineering, DevSecOps, and Test & Evaluation teams for hypersonics and small satellite areas. Interns will support the development of products on all aspect of the engineering development cycle to apply current and further develop engineering skills. Including, not limited to, the development of system/subsystem requirement development, product computer aided model (CAD), computer simulations (structural, fluid, SPICE, circuit), design and test of mixed signal and digital embedded systems, support ranging from schematic capture to PCB development, programing (C, C++, Python, Verilog VHDL), working in Siemens & Unix environments and data analytics, technical drawings & schematics, product troubleshooting, development and review of standard operating and safety procedures.

Location: Advanced Manufacturing Innovation and Integration Center facility in Huntsville, AL.

Classification: High School Students (Junior and Senior level)

Interested in Engineering? Apply! You can learn about:

- Aerospace Engineering
- Computer Sci/Computer Engineering
- Electrical Engineering
- Materials Engineering
- Mechanical Engineering
- Systems Engineering
- Software Engineering

Requirements:

Conditions of employment

- You must be a U.S. citizen to apply
- Currently enrolled in High School
- Subject to a background/security investigation
- Work Schedule: Part Time (minimum 20 hrs.)

How to Apply:

Required Application Materials: Resume, Unofficial Academic Transcript

Send Application Materials to: cSETR@utep.edu

Email Subject Line: DEDC HS Engineering Intern Application

