About DEDC: Digital Engineering Aerospace Systems Design Center [DEDC] @Houston is an academic-industry interchange operated by the Aerospace Center at The University of Texas at El Paso (UTEP). 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 the next-generation aerospace workforce with transformational digital engineering skills. The Design Center fosters a strategic partnership with NASA Johnson Space Center and National Center for Defense Manufacturing and Machining (NCDMM).

Positions: Hourly positions for engineering interns; 20 hours/week.

Start date: June 1st, 2023.

Job Description: The positions will contribute to a fast-paced and growing team supporting the technological advancement of a vital component of space exploration: in-situ resource utilization. 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, summarize scientific literature, prepare information and research materials, create presentations, and attend functions and networking events.

Interns will support the development of products on all aspect of the engineering development cycle to apply current and further develop engineering skills. This includes, not is not limited to, the development of system/subsystem requirement development, product computer aided model (CAD), computer simulations (structural, fluid), design, working in Siemens & Unix environments and data analytics, technical drawings & schematics, and development and review of standard operating and safety procedures.

Experience with Computational Fluid Dynamics like Star CCM+/Ansys is preferred.

Location: Internship will be located in the DEDC at Johnson Space Center, Houston, Texas.

Classification: Undergraduate Students (Junior and Senior level) or Graduate Student

Majors: Engineering (preferred majors below)
- Aerospace Engineering
- Computer Science/Computer Engineering
- Materials Engineering
- Mechanical Engineering
- Systems Engineering

Requirements:
Conditions of employment
- You must be a U.S. citizen to apply for this job
- Accepted for/currently enrolled in an accredited educational institution
- Subject to a background/security investigation
- Selected applicants will be required to complete an online onboarding process
- Work Schedule: part-time (minimum 20 hrs/week)
- This position is NOT telework eligible
- Travel Required: Yes

How to Apply:
Required Application Materials: Resume, Unofficial Academic Transcript
Send Application Materials to: aerospacecenter@utep.edu
Email Subject Line: DEDC Engineering Intern Application