MATERIAL SCIENCE ENGINEERING INTERN

Posting ID: IN1852241C

Company: United Technologies

Work Location: Riverside, CA

Position Type: Full-Time

Salary: DOE

College Major(s): Mechanical Engineering (ME)

College Level(s): Undergraduate-Junior, Undergraduate-Senior, Graduate Student

OVERVIEW

When the global aerospace community looks for ideas and solutions to its biggest challenges, they turn to the people of UTC Aerospace Systems. We design, invent and deliver the most advanced and diverse range of aerospace systems on the market. We are inventors. We are manufacturers. We work in space exploration, commercial air travel, defense and rescue applications. Always learning and pushing the boundaries, we are an undisputed industry leader that continually sets the bar higher and higher. Come soar with us.

At UTC Aerospace Systems, we believe that innovation starts with our people. That’s why we have over 8,000 engineers located in 70 sites around the globe, across 14 countries. But our Engineering organization is not just a collection of individual businesses. We use our size and expertise to create system solutions that work across all our product lines.

Our industry-leading experts are setting the standards for the aerospace industry and paving the way for the future. But as new challenges present themselves, we need fresh, creative and motivated minds to overcome these hurdles, help us break barriers and achieve new levels of innovation. Do you have what it takes to join a global, diverse organization that doesn’t shy away from big opportunities? If so, we invite you to join our Engineering ranks and create the next generation of aerospace technologies. Together, we will move the world forward!

This position is for a Summer Internship opportunity at our Riverside, California, Composite Bond Facility. The individual will be part of the sites Advanced Manufacturing Team.

Roles and Responsibilities

- Responsible for shop floor manufacturing process improvement, new manufacturing process introduction, and Digital Strategy initiatives.
- Specific tasks may include, but are not limited to the following:
  - Provide analytical and problem resolution support for manufacturing processes
  - AFP, Autoclave, Perforation Technology, Machining, AUSS, Hand Lay-up, Cutting Edge, Reticulation
  - Apply ACE/CI tools and actively participate in assigned ACE/CI events
○ Develop computer and simulation-based methods and processes that support engineering productivity and throughput.
○ Coordinate and drive applicable testing for proof of concept designs
○ Coordinate with others to advance technology, improve engineering standard work processes/methods and assist in manufacturing process development
○ Performs a variety of tasks that are planned to provide experience and familiarization with engineering staff and methods.
○ Works with the engineering team on current projects.
○ May prepare and present technical information and concepts via written or oral formats
○ Document and present project results to leadership and co-workers
○ Performs other duties as required

Intern will be considered for part-time or full-time employment at the end of the internship based on performance/results.

Education and Qualifications
● Must be pursuing a bachelor's degree in Material Science (Polymeric Material focus).
● Must have GPA of 3.0.
● Must have completed 30 hours of college coursework.

Preferred Skills
● Strong academic performance, prefer GPA of 3.2
● Possess an interest in hands-on engineering
● Strong presentation, planning, problem solving, organizational, project management and decision-making skills
● Proactive and results-driven individual who thrives in a fast paced and dynamic environment
● Excellent analytical and strong written and verbal communication skills with ability to interact with a cross functional team
● Proficient skills in Microsoft Office (Word, Excel, PowerPoint, Vizio, Project, etc.)
● Strong organization and time management skills
● Familiarity with mechanical properties testing, structural testing, knowledge of composite design, analysis technology, non-destructive testing methods for composites, hands-on composites manufacturing experience, and knowledge of advanced textile design/manufacturing methods
● Object oriented computer programming (java, C, C#, Python, etc.)
● Technical skills in design, development, big data/analytics, infrastructure,
● IT/Cybersecurity, etc.
● Some travel may be required

Nothing matters more to UTC Aerospace Systems than our strong ethical and safety commitments. As such, all U.S. positions require a background check, which may include a drug screen.

How to Apply
Go to: https://jobs.utc.com/job/-/-/1566/8337587