

HALLIBURTON

Material Science Co-op

Drill Bits and Services (DBS)

With more than 50,000 talented employees working in over 80 countries, Halliburton is one of the world's largest providers of innovative products and services to the oil and gas industry. Halliburton adds value through the entire lifecycle of a reservoir – exploration, development, production, operations, maintenance, conversion, refining, infrastructure, and abandonment.

Halliburton Drill Bits and Services division has a long-standing, strong commitment to the co-op program. The hired co-ops will work full time in the Material Science Testing Laboratory (MTL) of the Technology Department. MTL is a R&D-oriented laboratory which covers testing functions in mechanical performance, material characterization, and structure verification, etc. Primary responsibility of the co-ops will be to complete a materials related development project. The co-op will be responsible for all aspects of the project both technical and non-technical including problem definition, design, testing, analysis, project management budgetary control and reporting. This job involves a plethora of hands-on work around metallurgical, mechanical testers and/or numerical simulations. Literacy in computer skills and MS Office application software are essential.

Desired traits include:

- Knowledge in microstructure-property correlation of metal matrix composite
- Strong understanding of material science and mechanics of materials
- Knowledge in Fracture Mechanics
- Experience with finite element analysis (FEA)
- Experience in a metallurgical / mechanical laboratory environment
- Capability to conduct experiments with various testing equipment
- Experience with commercial tools Abaqus or Ansys and User Subroutines is a plus
- Ability to communicate technical information effectively, both verbally and in writing

Students must be enrolled in School and provide documentation of enrollment upon hiring. Students must be available for a co-op that will take place June-December for a duration of at least 6 months.

Work Authorization: Candidates who are not legally authorized to work in the United States, or those needing visa sponsorship presently or in the future, will not be considered

Majors: Material Science, Metallurgy and Ceramics, Mechanical/Civil/Aerospace Engineering or related,

Degree: Ph.D. Candidates

Location: The Woodlands, Texas

A Halliburton employment application form will be provided to each pre-selected student prior to the interview by a recruiting representative. The required documentation must be received in order to guarantee an interview with Halliburton.