

Boeing Engineering Intern Program—Materials, Process, and Physics Engineering

	Primary Responsibilities	Preferred Majors	Available Sites*
Materials Development Engineer	<ul style="list-style-type: none"> Develop requirements for new materials, processes, and part standards to meet cost, weight, and performance objectives of internal and external customers such as product development, production programs, Department of Defense, and regulatory agencies; test and evaluate candidate materials to these requirements. Work with suppliers to address candidate materials and process or part standard shortfalls. Qualify materials to new specification and work with programs to develop further testing to support production implementation of new materials, processes, or part standards. 		
Program Support Engineer	<ul style="list-style-type: none"> Represent Materials and Processes during product development and proposal phase of new programs. Participate in and consult on program trade studies, design reviews, part qualification activities, and introduction of new technology and automated assembly tools into production facilities. Work with production facilities to troubleshoot and solve processing issues affecting production; support sustaining program activities such as redesign and introduction of new production processes activities to support weight, cost, and production-rate initiatives. Perform root cause analysis on failed or broken parts or on factory issues affecting production part quality. 	Material Science; Materials; Metallurgical, Chemistry; Chemical, Mechanical, or Manufacturing Engineering; Manufacturing Technology; Mathematics; Physics	Huntsville, AL; Mesa, AZ; Huntington Beach, Long Beach, and Seal Beach, CA; St. Louis, MO; Oklahoma City, OK; Philadelphia, PA; North Charleston, SC; Salt Lake City, UT; Everett, Renton, and Tukwila, WA
Materials and Process Specification Custodian	<ul style="list-style-type: none"> Work with engineers responsible for materials, process, and part standard specifications. Evaluate and qualify new candidate materials to specifications. Run engineering and qualification tests on candidate materials, and analyze failures for root cause; work with suppliers to address materials issues. Work with production facilities to troubleshoot and solve processing issues affecting production. 		
Research and Development Engineer	<ul style="list-style-type: none"> Develop requirements for new materials and processes in support of proposals for company- or government-funded research programs. Support existing research programs or contracts by performing materials and process testing, evaluation, data analysis, and root cause and corrective action analysis on new materials and process candidates. 		

*Site availability is subject to change.