

Boeing Engineering Intern Program—Electrical Engineering

	Primary Responsibilities	Preferred Majors	Available Sites*
Electrical System Design	<ul style="list-style-type: none"> Apply electronic and electrical engineering principles, other engineering disciplines, and scientific principles for the design, analysis, validation, and support of system, equipment, and wiring. 	Electrical, Mechanical, Aerodynamics, Software, Computer Applied Science: Physics, Mathematics	Huntsville, AL; Mesa, AZ; El Segundo, Long Beach, Seal Beach, and Huntington Beach, CA; Colorado Springs, CO; St. Louis, MO; Oklahoma City, OK; Ridley Park, PA; Houston, TX; Arlington, VA; Albuquerque, NM; North Charleston, SC; Seattle, WA, area
Wire Design, Installation, and Integration	<ul style="list-style-type: none"> Design wiring architecture, harnesses, and physical wire routing installations. 		
Electrical Design and Analysis	<ul style="list-style-type: none"> Design the physical installations of such equipment as antennas, lights, computers, and miscellaneous electrical and electronic equipment. 		
Electrophysics	<ul style="list-style-type: none"> Support the review, development, and release of certification and qualification of test documents; conduct limited supervised laboratory testing; and attend technical collaboration meetings. Analyze supplier designs, and test and troubleshoot for cabin and network systems. Develop and validate electromagnetic requirements for electronic and electrical systems, mechanical systems, interconnects, and structures. 		
Avionics Architecture	<ul style="list-style-type: none"> Develop and document avionics system architecture, hardware and software designs, and interface specifications. Test and validate to ensure system designs meet operational and functional requirements. Support fielded hardware and software over the entire product life cycle. 		
Electronics	<ul style="list-style-type: none"> Develop multichip electronic designs consistent with requirements and specifications. Validate designs through various methods of review, testing, and analysis. Investigate emerging technologies to develop concepts for future products. 		
Sensors and Communications	<ul style="list-style-type: none"> Develop and validate requirements for various communication, sensor, electronic warfare, and other electromagnetic systems and components. 		

*Site availability is subject to change.