Electrical Engineering Internship Opportunities

	Primary Responsibilities	Preferred Majors	Available Sites*
Electrical System Design	▪ 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, Aero, Software, Computer Applied science majors: Physics, Mathematics	Huntsville, Al.; Mesa, Az., El Segundo, Long Beach, Seal Beach, Huntington Beach, Calif.; Colorado Springs, Co.; St. Louis, Mo.; Oklahoma City, Okla.; Ridley Park, Pa.; Houston, Texas; Arlington, Va.; Albuquerque, N.M.; Charleston, S.C.; Seattle, Wash. area
Wire Design, Installation and Integration	▪ Design wiring architecture, harnesses and physical wire routing installations.		
Electrical Design and Analysis	▪ Design the physical installations of such equipment as antennas, lights, computers, and miscellaneous electrical and electronic equipment.		
Electrophysics	▪ 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	▪ 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 lifecycle.		
Electronics	▪ Develops multi-card 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	▪ Develop and validate requirements for various communication, sensor, electronic warfare, and other electromagnetic systems and components.		

*Site availability is subject to change.