Undersea Electro-Magnetic Systems
Communications Division (341)

Mid-Level Electrical Engineer, Computer Science and Computer Engineer
Discover a challenging and rewarding career at the Naval Undersea Warfare Center Division Newport (NUWCDIVNPT) Submarine Electromagnetic Systems Department, the lead technical entity for communications systems catering to the United States Navy’s nuclear submarine fleet.

The Electromagnetic Systems Departments Communications Division is currently recruiting mid-level Electrical Engineers, Computer Engineers, and Computer Scientists to support the design, testing, integration, and deployment of cutting edge network and communication systems. This is an unlimited growth opportunity for mid-level engineers and scientists to utilize their knowledge and experience as part of our team who continually pushes the technical envelope ensuring our warfighters maintain world class technological superiority. We are currently seeking qualified electrical engineers, computer engineers, and computer science candidates with at least three years prior experience possessing skill sets in RF Engineering, Antenna Design and Computer Networking as follows:

**RF Engineering:** Electromagnetics Communication technologies including Satellite Communications, Line of Sight, Over-the-Horizon utilizing the full electromagnetic spectrum from VLF to EHF. Skills would include RF design, propagation analysis, communication system design and modulation optimization. Component design skills in the subsystems that make up the major assemblies as well as experience with current Navy communications terminals is a plus.

**Antenna Design:** Antenna Design in a submarine environment including the VLF, HF, VHF, UHF, SHF and EHF frequency bands. Antenna types include low and high power variants of towed floating wire arrays, encapsulated devices (Helix, Bicone, whip, patch) and mechanically steered apertures. Experience in current modeling and testing techniques is appreciated.

**Network Engineering:**
- Experience with Commercial Off the Shelf (COTS) communications equipment including network routers, switches, radio transceivers, modems, etc.
- Knowledge of Network Architecture and Design Fundamentals
- Knowledge/Interest in Cisco Networking technologies
- Router & Switch Configuration Fundamentals
- Dynamic Routing protocols such as OSPF, BGP, etc.
- Quality of Service
- VoIP
- Multi-Layer Switching
- Class Maps, Policy Maps, etc.
- Knowledge/Interest in Network Security
- Cisco Advanced Security IOS
- Cisco Firewall
- Cisco ACL, CBAC, PAM, ZPF
- Cisco VPN
- Scripting in Cisco; Specifically TCL and use of EEM Scripts
- Experience integrating COTS communications equipment into engineering designs

**General Attributes for all:**
- Both verbal and written communication skills
- Willingness to work in team environment or independently as required
- Technical writing skills adequate to support system and test engineering documentation

**KEY REQUIREMENTS:**
- Must be a US Citizen
- Must be registered for Selective Service
- May be required to successfully complete a probationary period
- Must obtain and maintain a security clearance
- Engineering Degree must be from an ABET accredited institution
- Computer Science, Mathematics, or Physics, must be from an accredited or pre-accredited institution
- Must provide a copy of your transcripts with your resume
- Veterans, please submit your DD-214
- Please email your resume, transcripts, and any supporting documentation to: nuwc_npt_recuritm_fu@navy.mil.

**Come join our team**