civilian technical opportunities

DESIRED SCIENTISTS AND ENGINEER QUALIFICATIONS:

- *Entry-level (ND-02):* Bachelor's degree in professional engineering from an ABET accredited university or an applicable scientific discipline
- *Intermediate-level (ND-03):* Master's or PhD degree in the related career field
- *Journeyman-level (ND-04):* Degree in the related career field and specialized experience

TECHNICAL OPPORTUNITIES:

NSWC Crane's skilled professionals put technical solutions directly into the hands of the Warfighter, ensuring safer missions. Our broad customer base includes the Navy, Marine Corps, Army, Air Force, United States Special Operations Command, Coast Guard, NASA, and many other military, civilian, and foreign military organizations.

NSWC Crane has exciting opportunities for scientists and engineers involving full-spectrum life-cycle management/support functions in the following technical capability areas:

- Advanced Electronics and Energy Systems
- Electronic Warfare Systems RDT&E/Acquisition/Life Cycle Support
- Infrared Countermeasures and Pyrotechnic RDT&E and Life Cycle Support
- Sensors and Surveillance Systems
- Special Warfare and Expeditionary Systems Hardware
- Strategic Systems Hardware

ELECTRONICS ENGINEER:

Electronics engineers research, develop, test, evaluate, operate, maintain, decommission, and/or direct the fabrication, manufacture, and installation of electronic devices. Electronics engineers work on systems and devices including: flight systems, communication systems, tactical jamming systems, including radios and antenna systems; navigation systems, including global positioning systems; acoustical measurement systems; radar and sonar systems; tracking and scheduling systems; weapon systems, target systems; control systems for test operations; display systems.

MECHANICAL ENGINEER:

Mechanical engineers perform technical design and development project work, program management work for a significant technological field or particular emphasis area, and engineering advisory services. Work situations for these mechanical engineers usually include some of the following: providing agency program management for a mechanical engineering emphasis program area and performing and executing a variety of engineering projects from conception to completion. Systems and products would include small arms, radar systems, electro-optic and weapons mounts, power system integration, launcher systems, aircraft dynamics and vehicle systems integration.

COMPUTER ENGINEER:

Computer engineers devise software to integrate a number of devices (e.g., systems, equipment, application programs, and components) into a computer or weapons system. They also design firmware defining the behavior of a system. Computer engineering requirements are for the development of: embedded computers in weapons or weapons-support systems; systems for complex scientific applications; simulation systems; communication systems; computer-aided engineering and design systems; and large-scale information systems with worldwide infrastructure.

COMPUTER SCIENTIST:

Computer scientists develop new and improved concepts, principles, and techniques that will advance the body of knowledge of computer science, and adapt and apply advanced computer science methods and techniques to solve complex computer processing requirements.

PHYSICIST:

Physicists advise, administer, supervise, or perform research or other professional and scientific work in the investigation and application of the relations between space, time, matter, and energy in the areas of mechanics, sound, optics, heat, electricity, magnetism, radiation, or atomic and nuclear phenomena.

ENGINEERING TECHNICIAN:

Engineering technicians work in a variety of unique work situations, often aligned with professional engineering fields and each with a fairly distinct set of knowledge and skill requirements. The work involves functions such as research, development, design, evaluation, construction, inspection, production, application, standardization, testing, or operation of engineering facilities, structures, systems, processes, equipment, devices, or materials.

ELECTRONICS TECHNICIAN:

Electronics technicians assist in many work situations that involve electronic equipment; including maintenance, installation, fabrication, testing and evaluation/research and development, sustainment, and troubleshooting. When technicians develop, test, or perform other work on an unfamiliar piece of electronic equipment they apply their knowledge of electronic theory, circuit design, and the operating characteristics of more familiar equipment.