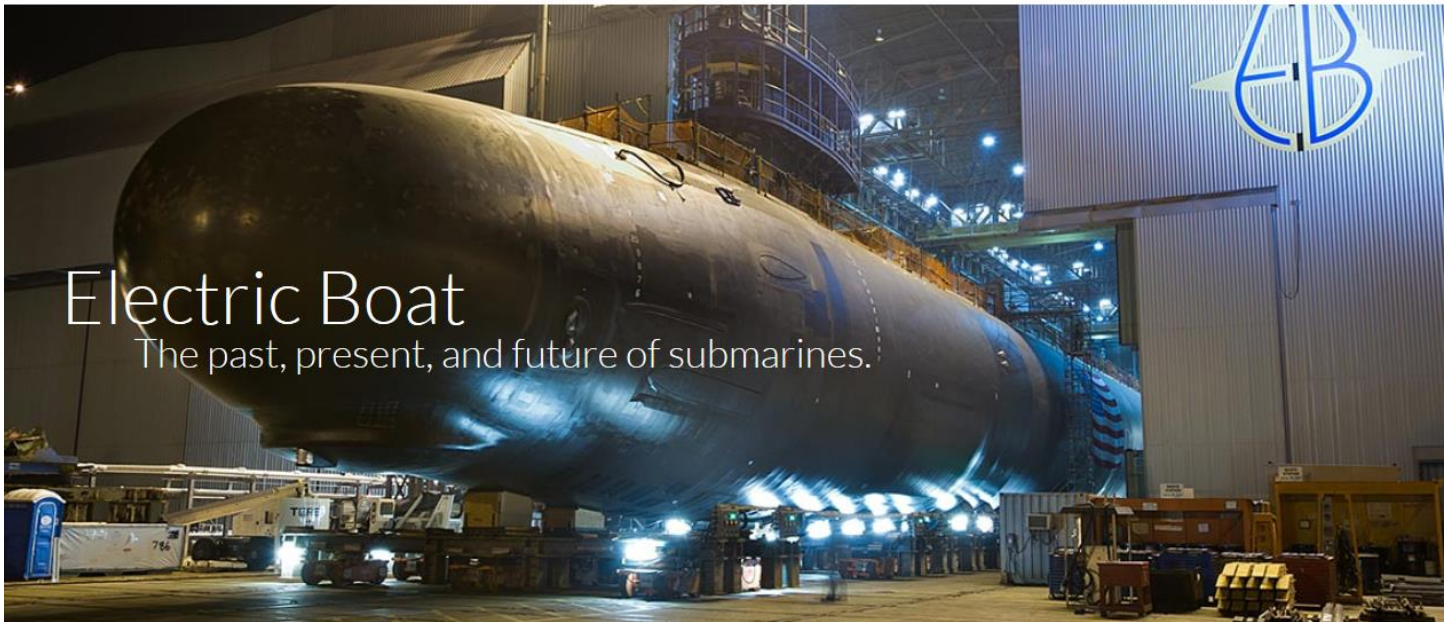


**GENERAL DYNAMICS**  
Electric Boat



**Join us on Wednesday October 17<sup>th</sup> at 11:30 AM  
in 336 Boardman Hall to learn more about  
exciting career opportunities in the Engineering  
and Metrology departments at  
General Dynamics Electric Boat Division.**

## Job Order 2018-12969

### 3D Metrologist

**Location of Position: Electric Boat Quonset Point (North Kingstown, RI)**



*General Dynamics is the world's foremost designer and builder of nuclear submarines, the most complex machines made by man. The company's industry leadership extends back over a century to 1899 when it produced the U.S. Navy's first commissioned undersea warship. Today, Electric Boat prides itself on being the premier shipbuilding company in the industry. We develop and apply state of the art technology to the design and construction of nuclear powered submarines. With a team of highly skilled and dedicated employees, we have successfully taken submarine technology to a new level.*

*General Dynamics Electric Boat is an Equal Employment Opportunity (EEO) employer. It is the policy of the Company to provide equal employment opportunities to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, transgender status, national origin, age, protected veteran or disabled status, or genetic information.*

#### Job Description:

The 3D Metrologist in the Accuracy Control Group of the Quonset Point Engineering Department performs 3-dimensional measurement & analysis services for the facility.

- This position will provide technical measurement support for construction activities, structural, mechanical & piping manufacturing at Quonset Point
- This individual will be responsible for performing 3-dimensional surveys, processing the data within a graphical analysis software package, and develop analysis reports to identify specific measurement points relative to drawing specifications
- Candidate must be willing to learn new instrumentation and software associated with 3-dimensional measuring as new technologies emerge

#### Requirements:

*As a minimum requirement, qualified candidates must possess one of the following:*

1. *A Bachelor's Degree in Surveying Technology or in Engineering Technology*
2. *3+ years of experience using 3-dimensional measurement equipment (photogrammetry, laser tracker, laser scanner, CMM)*
3. *Demonstrated Robotic Programming experience*

- A strong math background including strong knowledge of geometry and trigonometry is required
- Candidate must be able to read and interpret blueprints, specifications and procedures
- Candidate must have good oral and written communication skills and possess independent thinking & problem solving abilities

#### Preferred / Desired Skills:

- Experience in land surveying is highly desired
- Experience with a graphical analysis software package such as Spatial Analyzer is highly desired
- Relevant Navy/Military experience preferred

*Applicants must apply for a DOD security clearance as a condition of employment. They must be able to obtain and maintain a final secret clearance to remain in that position.*

**If you are interested in this position please visit our website and apply on-line at:**

<https://careers-gd-electricboat.icims.com/jobs/12969/qp---3d-metrologist/job>

**Job Order 2018-12970**

## **Metrology Technician (Optical Tool)**

**Location of Position: Electric Boat Quonset Point (North Kingstown, RI)**



General Dynamics is the world's foremost designer and builder of nuclear submarines, the most complex machines made by man. The company's industry leadership extends back over a century to 1899 when it produced the U.S. Navy's first commissioned undersea warship. Today, Electric Boat prides itself on being the premier shipbuilding company in the industry. We develop and apply state of the art technology to the design and construction of nuclear powered submarines. With a team of highly skilled and dedicated employees, we have successfully taken submarine technology to a new level.

General Dynamics Electric Boat is an Equal Employment Opportunity (EEO) employer. It is the policy of the Company to provide equal employment opportunities to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, transgender status, national origin, age, protected veteran or disabled status, or genetic information.

### **Job Description:**

*Metrology Technicians in the Optical Tool Department are responsible for critical ship and module alignments/measurements using a variety of 3-dimensional and standard optic tooling. These alignments /measurements are used to develop cut line, align and install ships components and pair major modules.*

The job requires the technician to determine the proper tooling for the job, move the tooling to the job, complete the measurements outlined on configuration controlled data sheets, while working safely with a high degree of accuracy. The technician then turns the data over to Accuracy Control Representatives and works with them to confirm the solutions required. Metrology Technicians routinely interface with Engineering, other Trades and Ship Management.

*The successful candidate is preferred to have a solid background in surveying/machine shop dimensional inspection, proven math skill , computer skills, and good communication and interpersonal skills. Applicant will need to become proficient in the use of optical alignment and Total Station equipment (similar to land surveying), establishing ships reference lines and planes, measuring in-process hull circularities, measuring and recording critical ship's dimensions and supporting production by providing profiles and locations of major components. Applicant may need to assist Shipfitters with difficult structural layouts, support the accomplishment of dimensional control requirements (ACCP's) and participate in the QP Continuous Improvement Program as needed.*

### **Job Requirements & Preferences:**

#### **Requirements:**

- An Associate's Degree in Surveying Technology or Engineering Technology OR a minimum of 1 year of experience in precision measurement methods or surveying/optical tool is required
- Candidates must be able to read, interpret, and work from complex manufacturing blueprints, technical manuals, shipyard procedures, and test documents

#### **Preferred / Desired Skills:**

- Previous Metrology / Optical Tool Trade Training is highly preferred
- Previous experience working in the construction industry or a manufacturing environment is desired
- Previous carpentry experience is preferred
- Military/Navy experience is preferred
- Previous metal fabrication experience and military shipbuilding experience is preferred
- A strong math background with a working knowledge of geometry and trigonometry is preferred
- Previous experience with CAD is helpful

*Applicants must apply for a DOD security clearance as a condition of employment. They must be able to obtain and maintain a final secret clearance to remain in that position.*

**If you are interested in this position please visit our website and apply on-line at:**

<https://careers-gd-electricboat.icims.com/jobs/12970/qp---metrology-technician-%28optical-tool%29/job>