Overview
This position will carry out the functions and responsibilities of the metallic Materials Engineering section of Department 342. The job involves planning, coordination and liaison with other EB departments, other shipyards, vendors, and the customer, and execution of the following specific functions and responsibilities:

- Provide materials engineering input into Design and Engineering projects, from initial concepts to final design, including material selections, materials evaluations, and technical liaison with other departments and the customer
- Specification selection and interpretation
- Providing technical assistance and direction to Operations in the processing of materials
- Adjudication of material non-conformances (e.g., defects, improper heat treatment, etc.)
- Contributing metallurgical expertise to multi-disciplinary teams
- Perform material failure analyses and related engineering investigations
- Practical and meaningful interpretation of case reports and studies
- Maintain liaison with Government and private laboratories, and industry relative to materials technology
- Overall support of all Engineering departments

Qualifications
Required:
- Bachelor's degree or higher in Metallurgical Engineering or Materials Engineering with a concentration/interest in metallurgy
- Less than 10 years related experience
- Familiarity with Microsoft Excel, Word, and PowerPoint
- Familiarity with mill production of metal products, casting production, heat treatment, mechanical properties of materials, mechanical property testing and metallographic techniques

Preferred:
- Master's degree in Metallurgical Engineering or Materials engineering with a concentration/interest in metallurgy
- Experience in an industrial environment, shipbuilding, or other heavy fabrication
- Knowledge of material specifications, standards and technical publications, including Military, Federal, ASTM, and ASM

Skills
The applicants must be able to communicate clearly and concisely, both verbally and in writing, and it is expected that the applicant is able to write technical reports and correspondences using good grammar with correct spelling and punctuation. Applicants must be personable, interested in working as part of a team, interested in learning, willing to consult with coworkers, and comfortable in interacting directly both with hourly technicians and with upper management.

Environmental Attributes
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