



## System Engineering Internship

### Accelerated Career Experience (ACE)

#### Standard Job Description

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##### **\*\*ONLY 1 Position Available \*\***

Lockheed Martin Canada is Canada's most successful Combat System Integrator specializing in large sophisticated integration projects. We take advantage of advanced engineering practices and modern technologies to design, develop and integrate combat systems for naval warships. We are seeking motivated and high performing people with specific skills to become part of our dynamic Naval Programs team.

The Naval Programs team is responsible for technical planning, design, construction, system integration, verification and validation, cost and risk, supportability and effectiveness analysis for total systems. Involvement as part of the total system product development includes:

- concept
- design
- fabrication
- test
- installation
- operation,
- maintenance
- disposal

The team ensures the logical and systematic conversion of customer or product requirements into total systems solutions that acknowledge technical, schedule and cost constraints.

The team performs functional analysis, timeline analysis, detail trade studies, requirements allocation and interface definition studies to translate customer requirements into hardware and software specifications.

#### Specific Job Description

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The candidate will participate as a Systems Engineering member of the Naval Development team in a multidisciplined team environment working on the total engineering life cycle from specification, design



development, integration and test, deployment, maintenance and field trouble shooting for large scale high complexity naval platform systems.

The candidate will participate in engineering activities including but not limited to:

- Collaborating on system design activities with senior systems engineering and other engineering staff, including supporting technical reviews
- Performing requirements analysis
- Performing trade studies
- Reviewing requirements, requirements allocation and trade studies
- Performing system modelling and design, including Model Based Systems Engineering (MBSE)
- Defining and tracking of Technical Performance Metrics (TPMs)
- System architecture and design
- System integration planning
- Design documentation
- Following systems engineering processes and best practices.

### Required Skills, Qualification and Experience

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- Pursuing a degree in System Engineering, Software Engineering, Computer Engineering, Computer Science, Mechanical Engineering, Electrical Engineering or related field.

### Desired Skills, Qualification and Experience

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- Communicate effectively with technical and nontechnical members of the engineering/management staff and personnel assigned to related work
- Aptitude for solving challenging problems in a team environment
- Have a high degree of initiative and autonomy
- Have a high learning ability
- Ability to adapt and perform in a dynamic environment.
- Experience with Agile methods