

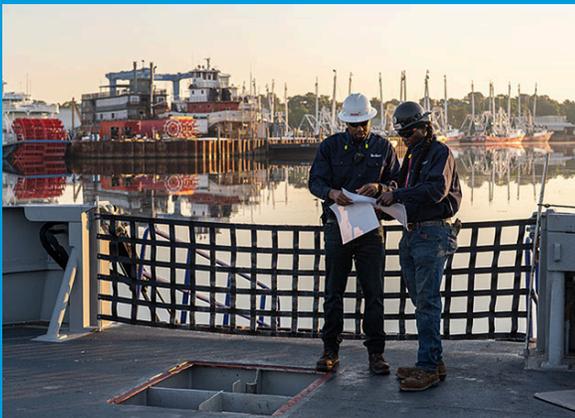
*Paid internship NOW with the potential to be hired full-time after graduation!*

# Apply Now! Paid Engineering Internship

## Birdon is Hiring!

# Birdon<sup>®</sup>

## Controls Engineer I Spring 2026: 20+ hours/week



Birdon is seeking a Controls Engineer Intern to support cross-functional ship control systems, provide engineering services for marine HM&E systems, assist with design and integration efforts, and prepare technical reports and presentations for government customers.



This position provides the opportunity to develop and apply real-world engineering skills while completing your UWF degree.

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The UWF Talent Catalyst program combines work experience, classes, mentoring, and essential professional soft skills development.

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**UWF Talent Catalyst**  
UNIVERSITY of WEST FLORIDA  
*Amplified by Landrum*



## Controls Engineer I Internship Job Description

The Controls Engineer Intern will contribute to the development and implementation of ship cross-functional control systems, including Systems Engineering, Electrical Engineering, Instrumentation and Control Systems, and Cyber System Architectures, throughout the program lifecycle. The intern will support assigned control system engineering tasks while helping the team meet technical, schedule, and cost objectives.

### Roles and Responsibilities

As part of the controls engineering team, the intern will:

- Assist in developing control system hardware and software solutions.
- Provide engineering support for marine hull, mechanical, and electrical (HM&E) systems.
- Support delivery of cross-functional control systems across multiple engineering disciplines.
- Assist with the design and integration of control systems and technologies across maritime platforms.
- Help develop engineering and cybersecurity deliverables such as drawings, specifications, network architectures, system interfaces, and configuration documents.
- Assist with design presentations and customer briefings.
- Support preparation of technical reports including site surveys, test procedures, test reports, trade studies, and white papers.
- Perform other related duties as assigned.

### Qualifications

- Pursuing a bachelor's degree in Electrical, Computer, Mechanical Engineering, or a related field.
- Basic proficiency in AutoCAD or similar design software.
- Strong written and verbal communication skills.
- Ability to support technical projects in a team environment.
- Ability to obtain and maintain a DoD clearance if required.

### Desired Knowledge or Exposure

- PLC, HMI, or SCADA configuration and testing.
- Windows Server environments.
- Sensors, switches, valve actuators, and variable speed drives.
- Communication protocols such as Profibus, Modbus RTU/TCP, or Serial ASCII.
- Automation platforms such as Siemens, Rockwell, or GE Fanuc.
- Maritime regulatory standards (ABS, DNV, NAVSEA, USCG, IMO, etc.).
- Cybersecurity principles and NIST-related controls.

### Working Conditions

- Occasional travel to office or project locations.
- Some work in manufacturing or shipyard environments with mechanical equipment, noise, dust, and temperature variations.
- Ability to stand, kneel, climb, and lift up to 50 pounds may be required.