

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

Apply Now! Paid Engineering Internship

Guided Particle Systems is Hiring!



Photolithography Systems Engineering Technician

Spring 2026: 10-20 hours/week



Guided Particle Systems is seeking hands-on engineering technicians to perform the assembly, testing, and quality assurance of complex systems. The ideal candidate will have experience with electro mechanical systems, with experience in assembling precision components, wiring, and soldering.

This position will give you the opportunity to develop and apply necessary real-world skills while attaining your UWF degree.

Apply today using the QR Code or visit our website:
uwf.edu/WorkforceDevelopment



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

Email: workforcedevelopment@uwf.edu



UWF Talent Catalyst

UNIVERSITY of WEST FLORIDA

Amplified by Landrum

Photolithography Systems Engineering Technician Job Description



Responsibilities

- Programming:
 - Evaluate and collaborate with software design team to improve user interface and stage controls.
- Assembly:
 - Assemble complex electromechanical systems from existing prototypes and guidance from the engineering team.
 - Perform soldering and wiring of electrical components, circuit boards, and custom cables.
- Documentation & Process Improvement:
 - Assist in creating and refining assembly procedures, drawings, and work instructions.
 - Provide feedback to engineering on assembly challenges and design improvements.
- Testing & Quality Assurance:
 - Perform functional and performance testing of assembled systems.
 - Troubleshoot and diagnose issues at the component and system level, documenting findings for engineering review.
 - Maintain accurate records of assembly, testing, and quality control procedures.
- Photolithography/Photopatterning:
 - Perform photolithography processing, including chemical processing, handling, and substrate preparation.
 - Follow strict safety protocols and procedures for working with chemicals and hazardous materials.
- Support & Logistics:
 - Assist in packaging and preparing finished products for shipment to customers.
 - Manage and organize inventory of components and tools in the assembly area.
 - Maintain a clean and organized workspace and adhere to all company safety policies.

Qualifications (may be shared among two hires)

- Full time UWF student pursuing a degree in Mechanical Engineering, Electrical Engineering, or a related field.
- Proficiency in C#, C++, and Python programming languages.
- Hands-on experience with electromechanical assembly, including working with precision instruments and hand tools.
- Proficiency in soldering (through-hole and surface-mount components) and wiring of electrical cables and harnesses.
- Experience in a role where you had to develop or refine assembly procedures, and/or a strong ability to learn how to do so.
- Experience with photolithography and/or a strong willingness to learn these processes.
- Experience involving chemical handling and an understanding of safety protocols.
- Excellent attention to detail and a commitment to quality workmanship.
- Ability to work independently and manage time effectively to meet production deadlines.
- Good communication skills and the ability to work collaboratively in a small team.