



Alchemity, LLC
www.alchemity.tech

Job Title: Technician (Entry-, Mid-, Senior-Level) or Internship and Co-Ops

Company Name: Alchemity

Job Location: College Park, Maryland

Job Type: Full-Time

About Us: At Alchemity, we embody the spirit of transformation. Led by a seasoned C-suite with over seven decades of collective expertise in R&D, scaleup, product development, commercialization, and operations, Alchemity is a vibrant startup company, a spinout from University of Maryland, on a mission to produce value-added chemicals and e-fuels without CO₂ emissions. We are dedicated to reducing or eliminating the greenhouse gases responsible for global climate change, as we channel our energy towards shaping a sustainable future.

Job Description: Join our dynamic team as a Technician at Alchemity, where you will contribute directly to the advancement of technology and sustainability. As a Technician or Intern/Co-Op, you will gain direct experience across laboratory experiments, equipment operation, technology scaleup, product development, demonstrations, and deployment. This distinctive exposure offers personal and professional growth across diverse areas of potential interest. Your role will focus on supporting projects related to ceramic reactor membranes, fuel cells, electrolyzers, clean hydrogen, and e-fuels. We are looking for multiple candidates to join us on this fulfilling journey.

Responsibilities:

- Assist fabricating, scaling, and testing single cells and reactors and reactor bundles and stacks
- Assist in building and commissioning experimental test stands and various facility equipment
- Conduct quality control tests on materials, ensuring adherence to safety and quality standards
- Collaborate with cross-functional teams to meet company metrics including Safety, Quality, Delivery, & Cost
- Perform activities such as weighing, mixing, milling, sieving, spray coating, and synthesis of ceramic powders
- Passion for hands-on work and learning
- Actively contribute ideas for continuous Improvement, demonstrate innovative solutions
- Operate and maintain production and testing equipment
- Maintain a clean and safe work environment
- Follow written batch instructions while recording process data and observations accurately
- Record and report product quality and performance information thoroughly
- Facilitate regular communication with internal teams, external partners, and funding agencies
- Adhere to safety protocols and procedures for all job duties

Requirements:

- High school diploma or GED equivalent required
- Two-year technical degree or firsthand experience in engineering, materials science, or related fields preferred; experience with materials characterization is a plus
- Strong critical thinking skills with a proactive approach to challenges
- Familiarity with relevant tools and technologies is a plus, and a prior experience with these technologies is not required
- Collaborative mindset, adaptable to working across various roles
- Practical critical thinking skills and attention to detail
- Able to work first shift Monday – Friday, with overtime offered
- Proficient with MS Office applications
- Able to stand and walk 6-8 hours per day and able to lift and carry up to 35 pounds
- Must be able to execute non-standard tasks while maintaining a focus on Quality and Safety
- Must be comfortable wearing PPE, including a respirator for certain activities
- U.S. citizenship or permanent residency required

Benefits:

- Competitive compensation and benefits package, including vacation and paid sick leave.
- Fast-paced, inclusive startup culture offering opportunities for rapid professional growth.
- Access to cutting-edge projects and technologies.

Equal Opportunity Employer Statement: Alchemity is an Equal Opportunity Employer (EOC). We are committed to fostering, cultivating and preserving a culture of diversity, equity, and inclusion. We embrace and encourage our employees' differences as that is what makes our employees unique. Our management team is dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities, and general treatment during employment.

If you're ready to drive innovation with adaptability, apply now to be part of Alchemity's pioneering journey.