



AYRTON
ENERGY

Engineering Technologist / Engineering Technician – R&D

Calgary, Alberta

Ayrton Energy's vision is to provide affordable, off-grid energy security via clean, safe and scalable storage technologies. Ayrton is looking for an engineering technologist or technician to join our team. As part of a fast-growing startup, the technologist in this role can anticipate a large variety of tasks, from designing new systems to selecting components and hands-on part manufacturing/assembly. Moreover, the technologist in this role can anticipate rapid learning on the hydrogen economy. You will work side-by-side with both engineers and scientists to tackle challenges in reactor design, measurement systems, and laboratory automation.

You will love this job if:

- You are excited to work at an early-stage startup
- You enjoy working in cross-functional teams and feel comfortable sharing your ideas
- You want to work in a collaborative and supportive team environment where everyone's role is mission-critical

Key Responsibilities:

- Install, calibrate, maintain, and repair mechanical and instrumentation equipment such as sensors, gauges, control valves, transmitters, and flow meters.
- Troubleshoot electrical and mechanical issues using diagnostic tools and techniques to identify root causes and implement corrective actions.
- Collaborate with multidisciplinary research professionals to enhance laboratory functionality.
- Support and optimize manufacturing processes and materials including additive and subtractive manufacturing techniques.
- Support development of prototype systems for R&D in renewable energy technology.
- Develop measurement and automation tools paired with data acquisition and processing software for prototype laboratory equipment.

Requirements:

- Associate degree in Instrumentation Engineering Technology, Chemical Engineering Technology, Nanosystems Engineering Technology, Instrumentation and Control Technician, Mechanical Engineering Technology, Electrical Engineering Technology, or a related field; or equivalent work experience.
- Strong knowledge of mechanical systems, instrumentation principles, and electrical systems.
- Experience with welding, machining, sheet metal, or other manufacturing methods is a plus.
- Ability to work independently and as part of a team in a fast-paced environment.

- Knowledge or familiarity with industrial control systems and programming including PLC ladder logic.
- Knowledge or familiarity using test, measurement, and control software (LabView and Matlab).
- Strong analytical and problem solving skills, attention to detail.
- Self-motivated and self-starter with a strong work ethic.

Benefits:

- Competitive salary commensurate with experience.
- Comprehensive benefits package including health insurance and paid time off.
- Opportunities for professional development and career growth in a supportive work environment.

About Ayrton: Ayrton Energy's vision is to provide affordable, off-grid energy security via clean, safe, and scalable storage technologies. We are looking for an engineering student to assist across multiple projects. You will work side-by-side with both engineers and scientists to tackle challenges in reactor design, measurement systems, and laboratory automation.

At Ayrton We Value:

- Honesty and Candor – We are solving hard problems and look for diverse thought – challenging leadership is encouraged.
- Dependability – We value action over words and will empower you to get things done
- Be Kind – We are a team. Win together, lose together, learn together

Ayrton is an equal opportunity employer that values equity, diversity and inclusion within our team. As a women-led venture, our company strives to provide a supportive atmosphere for under-represented individuals in business and STEM fields, including a focus on work-life balance and employee mental health.

How to apply:

Please send a cover letter and resume to jobs@ayrtonenergy.com and use Job Application – Eng Tech in the subject line.