



## **Greenway Institute – Engineering Program Manager & Educational Mentor**

Greenway Institute, in partnership with Elizabethtown College and with the support of the National Science Foundation, is launching the Greenway Center for Equity and Sustainability in Vermont. Our mission is to prepare the current and next generations to engineer our equitable and sustainable future. Greenway will provide a supportive, inclusive community where students learn engineering by working in teams on hands-on engineering challenges, and where every student can develop the competence, confidence, and connections they need to thrive in engineering and entrepreneurship. The education programs will include ABET-accredited programs in sustainable engineering, as well as programs for youth, professional educators and business partners. Our commitment is to fostering and furthering economic, social and environmental sustainability.

### **Description:**

Greenway Institute seeks an individual to work with the founding team to support our hands-on project-based engineering program. Work includes collaborative development of our engineering projects and learning outcomes, development of connected engineering education materials (written and video based), design and development of sustainability and educational facilities, technical and budgetary calculations, and a variety of other tasks related to starting and operating the Center and educational programs. The individual should be organized, self-motivated, able to work on and manage multiple concurrent tasks, and have solid engineering and communications skills. This full-time position is 40 hours per week starting as early as October, 2022.

### **Responsibilities**

- Collaborative piloting of educational program with our team and our educational partners.
- Collaborative development of engineering project-based modules (courses) for our educational program.
- Working with founding team and partners to help shape our learning outcomes and how outcomes and progressive mastery will be assessed and reported in the context of our hands-on projects.
- Help organize acquisition of engineering supplies and software for our educational programs while maximizing economic, social, and environmental sustainability.
- Assist in the documentation and mapping of outcomes and objectives for our educational program, including with our educational partners and state agencies.
- Assist with startup and piloting of our educational programs, including mentoring students in our project-based modules.
- Collaborate with local businesses to maximize the engineering and sustainability relevance and local impacts of our project-based engineering modules.
- Serve as an engineering mentor to our students and work on a broad range of projects needed to successfully implement our engineering education programs.



## **Competencies and Qualifications**

- Bachelors or higher degree in engineering.
- Strong engineering skills especially related to practical hands-on engineering and applied green technology.
- Excellent written and verbal communications skills and interest in working with faculty and students in engineering education.
- Preferred experience, passion, and familiarity with the latest in sustainability and education.
- Preferred connections or ability to develop connections with local engineering and renewable energy industry for collaborative projects and work.
- Computing proficiency including engineering software, spreadsheets, Google Suite, and similar computing software.
- Ability to work both independently and as a collaborative member of a team while prioritizing and managing multiple tasks. Preferred project experience working with groups of students.
- Ability to research, analyze and organize various types of data and information, especially related to project-based engineering education, learning outcomes, mastery-based learning, education, and sustainability.
- Willingness to work on a broad range of tasks in a dynamic entrepreneurial early-stage environment.