

## About ESAM-TAC

As the energy storage and microgrid markets mature, it is vital that the electrical workforce be ready to meet the safety and technical challenges.

ESAM-TAC prepares electrical workers to safely and effectively assemble, test, commission, maintain, repair, and retrofit these systems, from small residential and commercial applications to projects at the industrial, defense, and utility scales.

Penn State University led the industry collaborative that created ESAM-TAC. ProtoGen, an energy market development firm, contributed to the curriculum and designed the training materials and equipment.

ESAM-TAC is broken into two courses, each consisting of lecture, lab activities, and a corresponding credential which will be approved by the Electric Power Research Institute (EPRI).

### ESAM-TAC Part A (Primary Course)

**Prerequisite:** A working knowledge of electrical construction, including safety codes and standards

- How to safely and productively handle, assemble, and interconnect microgrid system components
- Special emphasis placed on the construction of large stationary battery systems

### ESAM-TAC Part B (Advanced Course)

**Prerequisite:** Successful completion of ESAM-TAC Part A

- How to safely commission, operate, maintain, repair and retrofit ESM systems and distributed resources
- The electrical skills and safety competencies necessary to supervise these activities

Recipients of the credentials will be prepared to interface with equipment, manufacturers, and application engineers; to perform regular testing and maintenance of ESM systems; and to maintain documentation and communications related to operations and servicing of microgrid systems.

## Learn More:

- ✓ **Sponsorships opportunities:** Represent your organization with funding, equipment, and technical expertise
- ✓ **Sign a letter of support:** Visit [ProtoGenEnergy.com/ESAMTAC](http://ProtoGenEnergy.com/ESAMTAC) to declare your support this industry-leading workforce development program
- ✓ **Get started:** Order the curriculum, schedule a train-the-trainer session, and order lab equipment

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