

Initial Operator Training

The HSI Initial Operator Training program provides the training students need to launch their power industry careers. This program is designed specifically to prepare students for the NERC Certification Exam, combining NERC Certification: Exam preparation and select courses (see below for list of courses). If you are new to the industry, this program introduces you to the Bulk Electric System (BES) and prepares you to pass the NERC Certification Exam.

NERC Certification: Exam Preparation Online

This online training is based on the current NERC Certification Content Outline, providing a good foundation of prerequisite knowledge for exam candidates. For best results, we recommend supplementing our online training with the intensive NERC Certification: Exam Preparation Instructor-Led review as the best source for exam study.

This online training provides:

- Current NERC certification exam content
- Recall, application, and analysis questions
- End of Program Exam to evaluate knowledge gained within each content area

In addition to NERC Certification: Exam Preparation Online, you will receive the following courses which provide basic industry information:

- Power System Fundamentals
- Math for System Operators
- Area Control Error Equation
- Basic Electricity
- Transmission and Distribution Concepts
- Transmission Fundamentals
- Voltage Control

PowerStarters for NERC Certification Preparation:

Essential training for new staff in the power industry

If you or your student is brand new to the electrical utility industry, PowerStarters for NERC Certification Preparation is the perfect online training to kickstart your new recruits and acclimate them to the world of the BES.

This content-rich training introduces the new operator or marketer to the power grid, and its components and operations. It also helps you comply with NERC's requirement for initial operator training to orient new hires to the electric grid.

Pricing Information

This training program conveniently combines NERC Certification: Exam Preparation and select PowerStarters for NERC Certification Preparation courses giving you the basics to launch your electric utility career. Learn the fundamentals of the BES and prepare to take the NERC certification exam with the **HSI** Initial Operator Training program.

Initial Operator Program

Initial Operator Training \$ 3,400

(Savings off individual pricing \$ 100.00)

- Introductory Courses
 - Power System Fundamentals
 - Math for System Operators
 - Area Control Error Equation
 - Basic Electricity
 - Transmission Fundamentals
 - Voltage Control
- NERC Certification: Exam Preparation Online
- Unlimited mentoring including Friday afternoon “office hours”

Initial Operator Training with NERC Instructor-Led \$ 5,150 3.5-day class

(Savings off individual pricing \$ 100.00)

- Online courses listed above
 - NERC Certification: Exam Preparation Instructor-Led
 - Unlimited mentoring including Friday afternoon “office hours”
 - NERC Certification: Exam Preparation materials are based on the NERC Certification Content Outline. This information is on the NERC web site at: <http://www.nerc.com/pa/Train/SysOpCert/Pages/default.aspx>
 - The combination of online and instructor-led NERC exam preparation materials are the best source for exam study. The instructor-led course is not designed as a stand-alone component and its effectiveness is dependent on the online material.
 - After NERC exam scores have been added to our University (under the My Info section), NERC Certification: Exam Preparation online will convert to NERC Standards for System Operators for the balance of a 1-year access life.
 - NERC online training access can be renewed for 2 three month periods without charge. After two renewals, additional charges will apply.
- † For PER compliance, EO training must be applicable to each individual organization. Please check with your compliance group for eligibility and credit hours.

Our online training provides:

- Interactive modules with professional audio and activities
- Student progress tracking through our Learning Management System (LMS)
- Training developed with a systematic approach to training (ADDIE)
- 24/7 access to modules

PowerStarters for NERC Prep

	LEVEL 1	LEVEL 2	COMPLETE
Area Control Error Equation	X		X
Basic Electricity Fundamental	X		X
Blackout Events	X		X
Critical Infrastructure Protection Version 6	X		X
Distribution and Shift Factors	X		X
Effective Communications	X		X
Electric Power Principles		X	X
FERC Standards of Conduct	X		X
Fundamentals of System Protection		X	X
Geomagnetic Disturbances	X		X
Human Error Prevention	X		X
Math for Energy Professionals	X		X
Power Plant Principles		X	X
Power System Fundamentals	X		X
Reactive Power Fundamentals & Voltage Control	X		X
Reliability and Functional Entities	X		X
Transmission Fundamentals		X	X
Voltage Control		X	X
	\$ 1,300	\$ 1,100	\$ 2,300



HSI and HSI_SOS_001 are recognized by the North American Electric Reliability Corporation as a continuing education provider who adheres to NERC Continuing Education Program Criteria.

[hsi.com/industrial-skills](https://www.hsi.com/industrial-skills)

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