




EPCE 

# Power Up Your Energy Career

Webinar series designed for energy industry professionals who want to explore online education options that fit their schedules.

Thursday, April 9th, 2026



*While we wait to begin - please share in the chat what you are hoping to learn/get out of today's webinar and/or specific programs you are interested in learning more about.*

**Laura**

Vice President, Industry Coalitions



# Agenda



1. EPCE Overview



2. EPCE Programs



3. Tips for Adult Learners



4. Worcester Polytechnic Institute (WPI)



5. Q & A

# What is EPCE

ENERGY PROVIDERS COALITION FOR EDUCATION

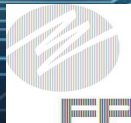
EPCE is a partnership of **energy industry employers, unions and associations** created to address **critical employment needs** in the **energy industry** through online education, founded in 2000.



EPCE Members represent over **two-thirds** of the energy industry across all 50 states!



EVERSOURCE



# EPCE Education: From the Electric Power Technology program in 2000 to our current offerings today.

[www.epceonline.org](http://www.epceonline.org)



**Generation**

**Nuclear Power**

Certificate in Nuclear Power Technology  
at Bismarck State College

BS in Nuclear Engineering Technology with Concentrations in Nuclear Leadership  
at Excelsior University

AAS in Nuclear Power Technology  
at Bismarck State College

**Power Generation**

Certificate in Power Generation Technology  
AAS in Power Generation Technology  
at Bismarck State College

**Engineering**

BS in Electrical Engineering Technology (BSEET)

BS in Mechanical Engineering Technology: Concentrations in Robotics, Nuclear, and Renewable Energy  
at Excelsior University

**Transmission /Distribution**

**Electric Power**

Certificate in Electric Power Technology  
AAS in Electric Power Technology  
all at Bismarck State College

Certificate in Electrical Transmission Systems Technology  
AAS in Electrical Transmission Systems Technology  
all at Bismarck State College

**Instrumentation & Control**

Certificate and AAS in Instrumentation & Control Technology  
at Bismarck State College

**Renewable Energy Certificate**  
at Clemson University

BS in Electrical Engineering (BSEE)  
at Clemson University

MS and Grad Certificate in Power Systems Management  
at Worcester Polytechnic Institute

**Technology Mgmt.**

BPS in Technology Management with Concentrations in Electrical, Nuclear or Renewable Energy  
at Excelsior University

**Specialty**

**Business**

BPS in Business and Management  
BS in Business  
at Excelsior University

Executive MBA (hybrid)  
Master of Business Administration (MBA)  
at Excelsior University

**Cybersecurity / Information Technology**

AAS in Computer Technologies  
BS in Computer Science  
BS in Cybersecurity  
BS in Information Technology with Cyber Concentration  
MS in Cybersecurity  
at Excelsior University

**Water & Wastewater**

Certificate in Water & Wastewater Technology  
at Bismarck State College





## Why EPCE Matters to You



Discounted tuition (up to 20%)



Programs built for utility professionals



Flexible online format



Industry-aligned curriculum



Designed for full-time workers

**This is not random education.  
It's **relevant** education.**

# Designed for Working Adults



**100% online**



**Asynchronous  
options**



**Transferable  
credit**



**Accredited  
institutions**







**Real workplace  
application**



## Why Employees Don't Use Tuition Benefits

Nationally:

-  Fewer than 5% of employees use tuition benefits.
-  Most don't think they have time.
-  Many don't know where to start.
-  Some don't think it applies to them.

Today is about removing those barriers. ↗

# Tips for Adult Learners: Once you are enrolled



## Advocate for yourself in the online classroom

Ask questions, via email or in discussion boards, if you don't understand something. It is difficult for faculty members to know if you need help if you don't ask (because they can't see your face or body language in course).



## Use the Discussion Boards to bond and learn from other students

Most of the students in your class will be working adults, like you, and you can share the joys and pains of learning together through this period of your life.



## Seek out help

A lot of us in the workplace haven't been writing papers in many years. Ask your advisor or faculty member if you need assistance. Many schools have writing coaches or workshops that can assist you (online).



## Set aside time to study

Make the commitment to study X hours a day. Maybe it is just one hour a day! Starting small is fine.

# EPCE Success Stories - WPI Program Graduates



**“The Power Systems program at WPI stood out because it’s specifically designed for the electric utility industry—something most universities don’t offer. It’s rare to find a program with courses focused on utility-based activities and functions.”**

Earned: MS in Power Systems Management  
Vincent O’Connell, Senior Electrical Engineer  
Holyoke Gas & Electric

**“I have been able to break down things like capacitors and induction problems to the fundamentals and build them back up. In addition, it helps me better communicate with leadership and peers about potential issues and solutions that can significantly benefit our operations.”**

Earned: ME in Power Systems Engineering  
Brian Majerowicz, Principal Engineer, Substation Engineering  
Baltimore Gas & Electric, an Exelon Company



**“I appreciate WPI’s rigor in coursework; they really build you from the ground up with every class I’ve taken. At times, I did homework for class and could directly apply the solution to a real problem in my career.”**

Earned: MS in Power Systems Management  
Charles Thomas, Senior Engineer, Protection and Controls  
Eversource



- Any questions on EPCE before we hand it over to

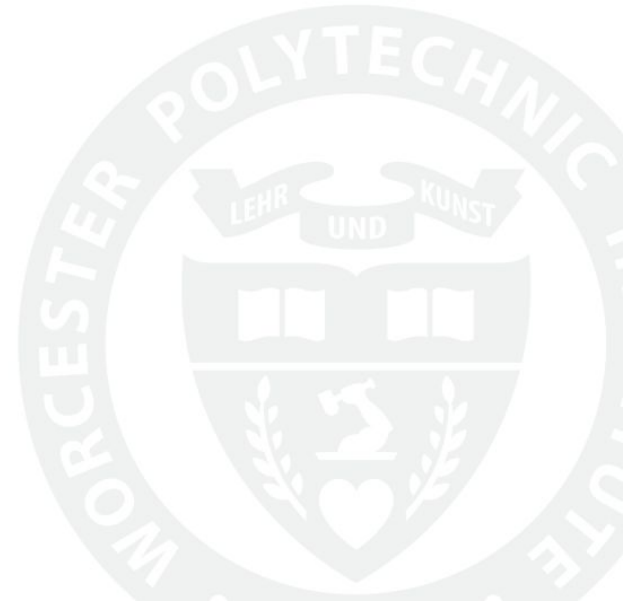




# WPI

## **Power Systems Engineering, Certificate and MS Programs**

April 9, 2026



# Student Engagement & Recruiting Team



**Meghan Sweeney**

Associate Director Student Engagement and Recruitment, Corporate & Partnerships

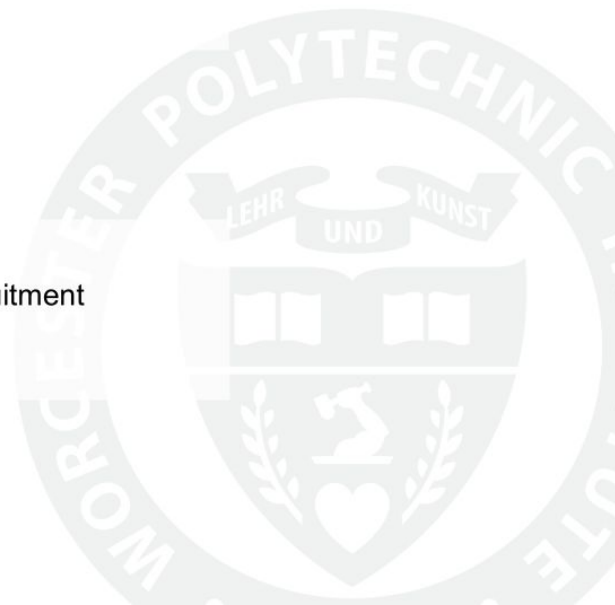
[mcsweeney@wpi.edu](mailto:mcsweeney@wpi.edu)



**Hillary Lyons**

Sr. Associate Director Student Engagement and Recruitment

[hlyons@wpi.edu](mailto:hlyons@wpi.edu)



# Worcester Polytechnic Institute

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- Founded in 1865
- Located in Worcester, MA
- Undergraduate, graduate, and doctoral
- More than 7,000 students enrolled
- Science, engineering, and business
- Motto: Theory and Practice
- World-class faculty and cutting-edge research
- Very high rankings [Facts & Figures | Worcester Polytechnic Institute](#)



# Recognized Excellence

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**Top 20%**  
U.S.  
Colleges



**Top 5.4%**  
Universities  
Worldwide



**#18**  
Best Online Master's in  
Engineering Rankings



**#20**  
Best Value College,  
Top Return on Investment



**19%**  
International  
Students



**Top 50**  
Colleges for  
International Students



**Top 15%**  
Colleges with the Best  
Professors in America



**#12**  
Best Alumni  
Network

**WPI Facts & Figures:** [wpi.edu/about/facts](http://wpi.edu/about/facts)



# Graduate Certificate Options

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**Graduate Certificate in Power Systems Engineering: Protection and Control**  
12 credits, 4 courses

**Graduate Certificate in Renewable and Distributed Power Systems**  
15-18 credits, 5-6 courses

**Graduate Certificate in Power Systems Management**  
18 credits, 6 courses

# Master's Degree Options

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## Master of Engineering in Power Systems Engineering

- 30 credits (ten, three-credit courses)
- At least 21 total credit hours in ECE with at least 15 credit hours in ECE Power Systems Engineering
- 9 credits of electives (from any discipline, including Power Systems Engineering)

## Master of Science in Power Systems Management

- 30 credits (ten, three-credit courses)
- At least 12 but no more than 15 credits in Power Systems Engineering courses
- 12 credit hours of Business/Management courses
- Remaining credit hours may be taken in any graduate level coursework in engineering or science (not Power or Business)

# Course Options

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- ECE 523. Power Electronics
- ECE 559. Advanced Distribution System Design and Operation
- ECE 5500. Power System Analysis\*
- ECE 5511. Transients in Power Systems
- ECE 5512. Electromechanical Energy Conversion
- ECE 5520. Protection and Control (not to be taken with ECE 5521)
- ECE 5521. Protective Relaying (not be taken with ECE 5520)
- ECE 5522. Advanced Applications in Protective Relaying
- ECE 5523. Power System Dynamics
- ECE 5530. Power Distribution
- ECE 5531. Power System Operations and Planning
- ECE 5532. Distributed and Renewable Power Generation
- ECE 5540. Power Transmission

# Background Requirements

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## **Bachelor's Degree in:**

Electrical Engineering/Electrical and Computer Engineering is preferred

Mathematics must include Calculus, Linear Algebra/Matrix Methods and Differential Equations.



## **Major GPA > 3.0**



Other candidates are certainly considered, however the further a candidate is from the recommended background, entry will become more challenging.

# Mathematical Foundation of Power Systems

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Re-establish your math skills for a strong base in WPI's Power Systems Engineering or Power Systems Management graduate programs.

## Course Modules for this Non-Credit Program

- Module 1: Basic Linear Algebra
- Module 2: Solving System of Linear Equations
- Module 3: Matrix Multiplication
- Module 4: Determinants
- Module 5: Matrix Inverse
- Module 6: Finding Eigenvalues; Diagonalization
- Module 7: Basic Differential Equations
- Module 8: Basics of Transforms

**Cost: \$500**

# Online Learning

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WPI's online classes are delivered in an **asynchronous** format.



This delivery method allows the student to complete schoolwork on their schedule, while adhering to the professor's syllabus requirements.



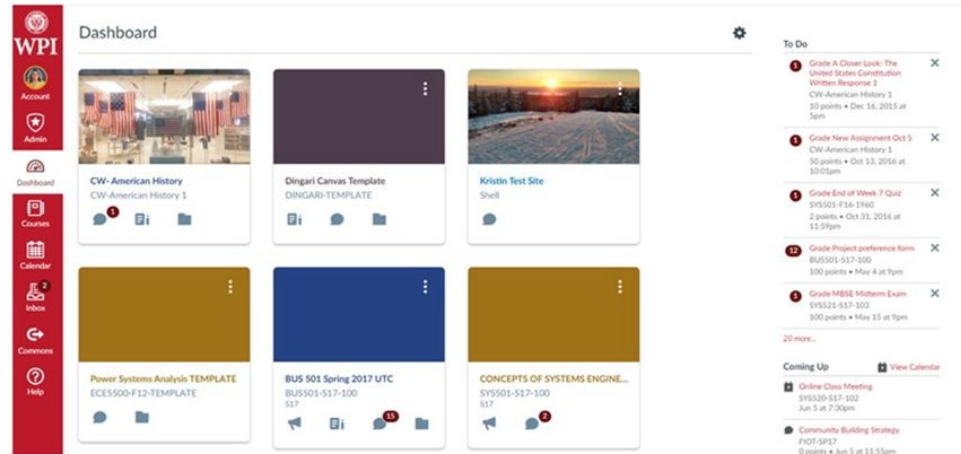
Each course brings with it an average of **15 hours of coursework per week**



If also working full-time, we recommend taking one class at a time.

# CANVAS Learning Platform

- All online classes are housed in Canvas, a web-based Learning Management System.
- In Canvas, the student will:
  - Find course syllabus, details, and textbook(s)
  - Interact with all course materials
  - View pre-recorded lectures and notes
  - Submit assignments
  - Communicate with professor and other students using discussion board/collaboration tools



# Program Logistics

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## Schedule

3 semesters a year (Fall, Spring and Summer)

10-week courses

If working full-time, we recommend taking just one course at a time

Students are *not required* to take a course each term



Current WPI tuition is \$1,775 per credit, or \$5,325 USD per three-credit course.



Any Power student whose employer is a member of EPCE will receive a 10% discount off tuition.

# Application Requirements

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## Graduate Certificate

- Online application
- Transcripts

## Master's Degree

- Online application
- Transcripts
- 3 Letters of recommendation
- Statement of purpose

# Next Steps

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## Connect with WPI to Learn More!

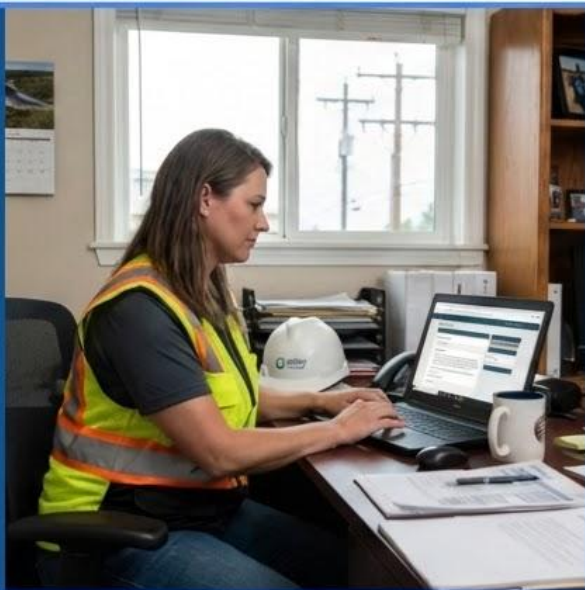
- Fill out our request information form:  
<https://gradapp.wpi.edu/portal/request-info>

## Apply to WPI – Rolling Admissions

- Apply to WPI – Rolling Admissions
- <https://gradapp.wpi.edu/apply/>

# Our gift to you for attending today!

## ADULT LEARNER TOOLKIT



### WHAT IS THE ENERGY PROVIDERS COALITION FOR EDUCATION (EPCE)?

EPCE is a partnership of energy industry employers, unions and associations created to address critical employment needs in the energy industry through online education. As of 2018, because your company is an EPCE member, you receive discounted tuition which means your tuition assistance dollars go further.

EPCE's online programs are developed by industry for industry. They identify clear, attainable learning outcomes based on job responsibilities. The course materials are reviewed by subject matter experts, trainers, and managers in the energy field. This means that what you and your fellow employees learn is applicable, current, and relevant to your career, and where you want to go.

## ADULT LEARNER TOOLKIT

This toolkit provides an overview of EPCE, its program offerings, and tips for adult learners. It is meant for employees of EPCE member companies who are interested in earning a certificate, associate, bachelor's or advanced degree to grow their careers.

[epceonline.org](http://epceonline.org)

EPCE  25  
YEARS



# Thank You and Next Steps

[WPI](#)

Meghan [mcsweeney@wpi.edu](mailto:mcsweeney@wpi.edu)

[EPCE](#)

Laura [lheller@cael.org](mailto:lheller@cael.org)



We will email out  
slide deck/webinar  
recording.



We will send you  
the Adult Learner  
Toolkit as a  
Thank You for  
attending today.



Connect with us  
for any questions.

