

# Power Engineering and Boiler Operator

PROGRAM CODE: 30-428-1

TD

Technical Diploma



**Location:** Oak Creek Campus

**Start Dates:** August and January

**Admission Requirement:** High school diploma or equivalent

**Financial Aid Eligible:** Yes. Use code 003866 at fafsa.gov.

## Program Description

Learn how to manage and repair equipment, maintain facilities, and operate and control low-pressure and high-pressure boilers and auxiliary systems in factories, plants and buildings.

## Career Outlook

Program graduates have potential for employment as building engineers, boiler operators, facilities maintenance mechanics and power engineers.

## Program Learning Outcomes

- Follow industry safety standards.
- Operate power engineering equipment.
- Examine boiler operation effects on the environment.
- Perform water treatment tests.
- Operate building controls.



**Complete Program Details**

**QUESTIONS?** 414-297-8901 or mctpathway@matc.edu

## COURSES

## CREDITS

<b>POWENG-330</b>	Low Pressure Boilers ^ .....	1
<b>POWENG-331</b>	High Pressure Boilers ^ .....	2
<b>POWENG-332</b>	Boiler Operation ^ .....	1
<b>POWENG-334</b>	Blueprint Reading for Power Engineering .....	1
<b>POWENG-335</b>	Instrumentation and Controls .....	3
<b>POWENG-395</b>	Electricity for Power Engineering .....	3
<b>BAS-143</b>	Electrical Concepts/Control 1 for ABS .....	2
<b>ENG-340</b>	Workplace Communication .....	2
	(or) ENG-195 Written Communication ‡ .....	
<b>POWENG-333</b>	Plant Maintenance and HVAC Basics .....	3
<b>POWENG-336</b>	Math for Power Engineers .....	1

## CREDITS

Total credits needed to complete this diploma

19

‡ Prerequisite required.

^ Counts toward earning the Boiler Operator certificate.

Program curriculum requirements are subject to change.

All credits must be earned at MATC with 2.0 GPA or higher.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online.

Check each course's delivery options in Self-Service at [selfservice.matc.edu](https://selfservice.matc.edu).