

Power Engineering and Boiler Operator

PROGRAM CODE: 30-428-1



Technical Diploma



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

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