Power Engineering and Boiler Operator

TECHNICAL DIPLOMA

Program Code: 30-428-1

Oak Creek Campus

This two-semester program prepares students to manage and repair equipment, to maintain facilities, and to 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

Admission Requirement

• High school diploma or GED

You can earn the Boiler Operator certificate on your way to completing this technical diploma.

Start dates: August and January
COURSES

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

TOTAL CREDITS: 19

^ 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.

For complete information, go to matc.edu/tas
To apply for financial aid, visit fafsa.gov
School Code: 003866

Possible Careers

• Building Engineer
• Facilities Maintenance Mechanic
• Power Plant Operator
• Power Plant Mechanic
• Heat Plant Operator

Related Programs

• Boiler Operator
• Refrigeration, Air Conditioning and Heating Service Technician
• Electricity
• Automated Building Systems