

Boiler License Training

Steam & Hot Water Boilers I

Training to acquire a special license, or upgrade to Second Class A, B, or C license

This course covers both high and low pressure boilers used in steam and hot water heating, high-pressure, high-temperature hot water boilers used in heating or process installations, and small mechanical-drive steam turbines.

Special

- **Experience**
 - None
- **Boiler class (pressure)**
 - All
- **Max horsepower**
 - 50 in charge
 - 100 supervised

Second class engineer

- **Experience**
 - A - 1 yr boiler, 1 yr turbine
 - B - 1 yr high pressure boiler
 - C - 1 yr low pressure boiler
- **Boiler class (pressure)**
 - A - high, low, turbines
 - B - high, low
 - C - low
- **Max horsepower**
 - 100 in charge
 - 500 supervised

Steam & Hot Water Boilers II

Training to upgrade to First Class A, B, or C license, or Chief A, B, or C license

This course covers high and low pressure boilers use in hot water supply, process and power installations, larger high-pressure/high-temperature water boilers used in the heating process and power installation, as well as larger steam turbines used for mechanical drive and power generation.

First class engineer

- **Experience**
 - A - 3 yrs boiler, 2 yrs turbine
 - B - 3 yrs high pressure boiler
 - C - 3 yrs low pressure boiler
- **Boiler class (pressure)**
 - A - high, low, turbines
 - B - high, low
 - C - low
- **Max horsepower**
 - 500 in charge
 - Unlimited supervised

Chief engineer

- **Experience**
 - A - 5 yrs boiler, 2 yrs turbine
 - B - 5 yrs high pressure boiler
 - C - 5 yrs low pressure boiler
 - Must have First Class for one year
- **Boiler class (pressure)**
 - A - high, low, turbines
 - B - high, low
 - C - low
- **Max horsepower**
 - Unlimited

Courses prepare students to take the appropriate boiler engineer exam offered by the State of Minnesota. Exams for each level require a minimum of 70% to pass. Second class, first class, and chief engineer licenses require varying years of experience.



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