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.

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 used 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

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

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.