

## 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

[www.dctc.edu/CECT](http://www.dctc.edu/CECT) - Click on Manufacturing & Trades

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. Class schedule: Tuesday and Thursday nights, 5:30-9:30 p.m. for 4 weeks. Class fee: \$550, includes book. To register, visit our website or call 651-423-8612. **Class dates: September 5<sup>th</sup>, October 24<sup>th</sup>, January 9<sup>th</sup> and March 6<sup>th</sup> and will be held at DCTC or our South of the River Education Center in the Burnsville Workforce Center, 2800 Co Rd 42 W, Burnsville, MN**



**DAKOTA COUNTY TECHNICAL COLLEGE**  
CONTINUING EDUCATION & CUSTOMIZED TRAINING

*DCTC is a member of the Minnesota State Colleges and Universities System and is an affirmative action, equal opportunity educator/employer.*

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