



## REQUIREMENTS FOR

## MARYLAND

## STATIONARY

## ENGINEER

## LICENSE

### Title 6.5

### Maryland Business Occupations and Professions Code Ann. 6.5

#### PURPOSE

To ensure that qualified individuals provide stationary engineer services:

- oversee the operation of a power plant,
- plant of machinery, or
- boiler,

Each generating pressure of more than 15 PSI and operating at 30 or more horsepower (HP).

Or a hot water boiler that operates at pressures exceeding 160 psig or temperatures exceeding 250 F;

- (1) To protect the public,
- (2) Provide safe operation of equipment, and
- (3) Promote high professional standards.

#### Equipment includes:

- Steam Boilers
- Hot Water Boilers
- Gas Compressors and Storage Vessels
- Steam Turbines
- Gas Turbines
- Generators
- Chiller Plants
- Air Conditioning Machinery
- Refrigeration Equipment

- Pumps
- Motors
- Associated Auxiliary Equipment
  - Electrical switchgear
  - Air compressors
  - Pumps
  - Fuel systems
  - Cooling system
  - Power distribution systems
  - Heating systems
  - Water systems
- Other associated equipment

---

#### License Authority

##### Grade 5 license

- Operate 30-99 HP equipment in a building not for public use.

##### Grade 4 license

- Operates 30-99 HP equipment in a building, regardless of use

##### Grade 3 license

- Operates 100-299 HP equipment

##### Grade 2 license

- Operates 300-499 HP equipment

##### Grade 1 license

- Operates 500 or more HP equipment

## **Qualification Requirements**

### **Grade 5 license**

- High School diploma or GED.

### **Grade 4 license**

Possess at least ONE of the following qualifications

1. 6 months as an active MD Grade 5, or
2. 3 Credit Hours or CEU's in boiler operations or safety

### **Grade 3 license**

Possess at least ONE of the following qualifications

1. 2 years' experience as active MD Grade 4 or 5;
2. 1 year experience as active MD Grade 4 or 5, and 6 Credit Hours or CEU's in boiler operations or safety
3. Valid Marine Engineer's certificate or Chief Petty Officer's certificate from the United States Navy
4. Equivalent experience to 1, 2, or 3 above may be submitted to the Board for consideration and approval.

### **Grade 2 license**

Possess at least ONE of the following qualifications

1. 36 months of documented experience as an active MD Grade 3 engineer under the direction and control of a licensed MD Grade 2 or MD Grade 1

- 1 year of credit for 6 credit hours or CEU's in boiler safety or operations; AND
  - 1 year of credit for holding a current active license as a:
    - Master Plumber
    - Master Heating, Ventilation, Air Conditioning and Refrigeration contractor
    - Master restricted Heating, Ventilation, and Air-Conditioning contractor
2. 4-year Mechanical Engineering degree from an accredited university or college
  3. Licensure as a Professional Engineer and 6-months of documented experience as a MD Grade 3, MD Grade 4 or MD Grade 5 Stationary Engineer, or
  4. A valid Marine Engineer's certificate or Chief Petty Officer's certificate from the United States Navy.
  5. Equivalent experience to 1, 2, 3 or 4 above may be submitted to the Board for consideration and approval.

### **Grade 1 license**

Possess at least ONE of the following qualifications

1. 5 years of documented experience as an active MD Grade 2 under the direction and control of a licensed MD Grade 1.
  - 1 year of credit for 6 credit hours or CEU's in boiler safety or operations; AND
  - 1 year of credit for holding a current active license as a:
    - Master Plumber

- Master Heating, Ventilation, Air Conditioning and Refrigeration contractor
  - Master restricted Heating, Ventilation, and Air-Conditioning contractor
2. 4-year Mechanical Engineering degree from an accredited university or college
  3. Licensure as a Professional Engineer, including
    - 1 year of documented experience as a professional engineer; AND
    - 1 year of documented experience as a MD Grade 2 under the direction and control of a MD Grade 1.
  4. A valid Marine Engineer's certificate or Chief Petty Officer's certificate from the United States Navy with documentation of steam boiler engineer training.
  5. Equivalent experience to 1, 2, 3 or 4 above may be submitted to the Board for consideration and approval.

### **For More Information, Visit:**

[www.dllr.state.md.us/license/stateng/](http://www.dllr.state.md.us/license/stateng/)

**For questions or comments regarding the Board of Stationary Engineers, email to:**

[stationaryeng@dllr.state.md.us](mailto:stationaryeng@dllr.state.md.us)

**or call: (410) 230-6270**

**\*\* Note: All grades require a State examination. See the Board's website for details: <http://www.dllr.state.md.us/license/stateng/>**