

## **Locomotive Firemen**

### **Qualifications**

Minimum age - 18

Experience - proof of 25 hours of steam locomotive firing or attestation by two currently licensed steam locomotive firemen or steam locomotive Engineers as to applicant's experience and Competency.

**Note:** a valid state license or certificate is acceptable for proof of experience.

Examinations - Written (oral or practical where necessary)

### **Curriculum at the Minimum:**

- Basic math and science
- Basic combustion theory
- Proper firing procedure
- General construction of a Locomotive boiler
- Boiler safety devices
- Boiler fittings and accessories
- Operation and testing of the water glass
- Operation and testing of the water column
- Operation and testing of gauge cocks
- Corrective measures for low water conditions
- Pre Trip inspection for leaks
- Railroad signals
- Railroad safety
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