

# MORGAN STATE UNIVERSITY

## JOB SPECIFICATON



### **STEAMFITTER**

Class Code: 0832  
Pay Range: 11

FLSA Code: N/E (Non-Exempt)

### **JOB SUMMARY**

Under general supervision, performs steamfitting work at the journey level. Installs repairs and maintains high and low pressure steam or hot water systems.

### **PRIMARY DUTIES**

1. Lays out, assembles, installs, and maintains pipe systems and supports, and related hydraulic and pneumatic equipment for steam, hot water, heating, cooling, lubricating, sprinkling, and industrial production and processing systems.
2. Diagnoses problems, repairs and maintains heat radiation units, coal, gas and oil-fired steam boilers and piping, regulating devices, valves, steam trap pressure reducers, steam panels, strainers, coils and pumps.
3. Selects type and size of pipe and related materials and equipment, such as supports and hangers according to specifications. A cut, bends, solders, welds, braises, and threads pipe.
4. Ensures installation and repair of systems and equipment adhere to code requirements and specifications.
5. Reads, interprets, and works from blueprints, drawings and specifications. Inspects work site to determine presence of obstructions; plans installation and/or repairs to avoid obstructions.
6. Operates and maintains tools and equipment of the steamfitting trade. Cleans work area upon completion of project.

**Morgan State University Job Specification**  
**Steamfitter**  
**Page Two**

7. Prepares estimates of time, labor, and materials. Prepares reports reflecting daily operations and project status.
8. Provides guidance and training in steamfitting work to other maintenance personnel. May have lead responsibility for special projects.

**Note:**

The intent of this list of primary duties is to provide a representative summary of the major duties and responsibilities of this job. Incumbents perform other related duties assigned. Specific duties and responsibilities may vary based upon departmental needs.

**MINIMUM QUALIFICATIONS**

**EXPERIENCE:** Four years progressively responsible experience in the steam fitting trade.

**REQUIRED KNOWLEDGE/SKILLS/ABILITIES**

Comprehensive knowledge of and skill in applying the theory, thermodynamic principles, methods, and techniques used in the steamfitting trade. Thorough knowledge of and skill in basic mathematics including area, volume, weights, and the practical application of fractions, percentages, ratios, and proportions; of OSHA regulations related to the steamfitting trade; of steel, brass, copper, and other piping materials and equipment. Skill in the use and maintenance of the tools and equipment of the steamfitting trade; in braising, welding, soldering, and threading pipe. Ability to read, interpret, and work from blueprints, drawings, and specifications; to prepare summaries and reports; to communicate effectively and follow directions; to work in, on, around, over and under fixed equipment and machinery; to work from ladders and scaffolding; to manipulate heavy equipment, tools, and supplies and/or exert force up to 70 lbs.; to concurrently manipulate multiple controls on equipment and machinery; to work in hazardous or irritating environments, confined spaces, and adverse weather or temperature conditions; to wear and work in personal protective equipment.

**OTHER:**

Except for qualifications established by law, additional related experience and formal education in which one has gained the knowledge, skills, and abilities required for full performance of the work of the job class may be substituted for the education or experience requirement on a year-for-year basis with 30 college credits being equivalent to one year of experience.

**Morgan State University Job Specification**  
**Steamfitter**  
**Page Three**

**CONDITIONS OF EMPLOYMENT**

Candidates selected for employment may be subject to medical inquiries and/or medical examinations to determine ability to perform the job. Valid Maryland Non-commercial Class C or equivalent driver's license may be required. Candidates selected for employment may be required to be trained to work with asbestos. Employees in this job class may be subject to pre-employment and random drug testing.