

Spec. Code: 5050  
Occ. Area: 14  
Work Area: 504  
Prob. Period: 6 mo.  
Prom. Line: None  
Effective Date: 04/01/04

## **GLASS BLOWER**

### Function of Job

Employees design, construct, and repair glassware used for instructional or experimental purposes.

### **Glass Blower**

**5050**

Employees perform work requiring skill and experience in glass blowing. Employees at this level plan, implement, and direct a diversified glass blowing operation. Incumbents instruct others in all phases of glass apparatus design and construction techniques. Their work is subject to management approval. They work under general supervision from a designated supervisor. As required, employees may act as lead workers or supervisors within a specific shop.

A Glass Blower typically –

1. completes soft and hard glass blowing, including work in quartz
2. uses glass blowing lathe
3. shapes, seals, cuts, grinds, and finishes glassware
4. makes metal-to-glass seals
5. completes vacuum bake-out and annealing processes
6. makes routine repair to equipment
7. oversee glass blowing shop/department and/or act as lead worker for other staff including, setting work schedule, establishing policies and procedures
8. establishes safety policies and procedures for the lab/department
9. assists faculty, staff and students in planning and developing sketches and formulas for a wide variety of experimental glass apparatus

10. trains and advises faculty, staff and students in the principles and techniques of glass blowing, performs demonstrations
11. performs other related duties as assigned

**Level I : Glass Blower****5050****CREDENTIALS TO BE VERIFIED BY PLACEMENT OFFICER**

1. High school graduation or equivalent
2. Five years of scientific/research/manufacturing glass blowing experience, including glass blowing vocational training.

**PERSONAL ATTRIBUTES NEEDED TO UNDERTAKE JOB**

1. knowledge of and ability to use raw materials, tools, and equipment used on the job
2. ability to follow complex formulas, drawings, sketches, and designs
3. managerial ability
4. mechanical ability
5. expert manual dexterity