

**BOARD OF REGENTS
STATE OF IOWA
REGENT MERIT SYSTEM**

Class Title: Glassblower

Class Code: 3991

Pay Grade: 413

GENERAL CLASS DESCRIPTION:

Under general supervision, applies knowledge and skill at the journeyman level to blow, shape, join, cut, and repair glass laboratory apparatus and other glass components such as test tubes, retorts, flasks, and condensers.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES:

1. Blows and shapes laboratory apparatus such as test tubes, reports, flasks, chromatography columns, and glass components for such apparatus as condensers and vacuum systems.
2. Joins and shapes glass according to specifications using glass-blowing lathe.
3. Seals metal samples in glass enclosures under vacuum and constructs quartz cells.
4. Cuts large glass tubing to specified lengths by using tools such as glass saws or electric wires.
5. Repairs broken glass apparatus, winds glass coils, and makes condensers, traps, and vigeroux columns.

KNOWLEDGE, SKILLS AND ABILITIES:

1. Ability to communicate effectively with staff, students, patients, and the public.
2. Ability to follow oral and written instructions.
3. Knowledge of techniques used in the glassblowing trade.
4. Ability to operate and perform routine maintenance on various types of laboratory equipment.
5. Knowledge of principles of sanitation, health hazards, and the necessary precautionary measures.

The tasks listed under the heading of Characteristic Duties and Responsibilities are examples of the variety and general nature of duties performed by employees in positions allocated in the class. The list is descriptive only and should be used for no other purpose. It is not intended that any position include every duty listed nor is it intended that related duties cannot be required.

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6. Knowledge of standard cleaning techniques and equipment and supplies required.
7. Ability to organize and prioritize multiple tasks.

MINIMUM ELIGIBILITY REQUIREMENTS:

Four years experience in the trade, including vocational or apprenticeship training (need minimum five years to equate with journeyman in other trade).

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REVISION EFFECTIVE: October 1, 2009