



Blacksmith

Class Code: 6575

Date Established: 05-24-73

Date Revised: 09-03-03

OVERVIEW:

Blacksmiths as defined in this classification are journey-level skilled trades workers responsible for the performance of the full range of skilled blacksmith and metal fabrication work in direct support of various instructional programs and campus maintenance efforts. Examples of typical activities are not meant to be all inclusive or restrictive; incumbents may perform related work activities.

TYPICAL ACTIVITIES:

Under general supervision, incumbents in this classification forge, weld, sharpen, temper, and repair tools and equipment; shoe horses and mules; rivet and cut common metals; maintain a blacksmith shop; advise in the selection, ordering and storing of blacksmithing supplies and equipment; inspect completed work for conformance with specifications, requirements and compliance with applicable building and safety codes and regulations; inspect related work performed by contractors; estimate cost, time and materials for blacksmith projects; clean, maintain and service tools and equipment used in the performance of duties; make rough sketches; perform all work in accordance with established safety procedures; maintain a safe and clean work environment; maintain records and retrieve data related to work performed using manual and/or computerized record-keeping systems; prepare standard reports; consult and work with other trades workers; and may provide instruction and lead direction to semi-skilled and unskilled assistants. Work may involve exposure to hazardous materials.

TYPICAL QUALIFICATIONS:

Knowledge: Work requires thorough knowledge of the blacksmith trade including tools, equipment and processes; tool and metal tempering, hardening and sharpening; recognized safety practices used in blacksmithing; and applicable state safety codes and regulations.

Abilities: Must be able to operate large capacity steam and air hammers; make minor repairs on metal and iron equipment; establish and maintain cooperative working relationships with students, farm employees and faculty; read, interpret and work from blueprints, plans, drawings and specifications; make rough sketches; estimate cost, time and materials for blacksmith projects; maintain records and retrieve data related to work performed using manual and/or computerized record-keeping systems; prepare standard reports; provide instruction to unskilled and semi-skilled assistants; analyze and respond to emergency situations; read and write at a level appropriate to the position; and perform arithmetic calculations as required by the position. Incumbents may be required to possess a California Driver's License valid for the operation of any vehicle or equipment they are required to maintain and operate.

Experience: These abilities normally would be acquired through any combination of progressively responsible training and experience which demonstrates achievement of journey-level skills equivalent to that acquired through completion of a standard blacksmith's apprenticeship program.