

SCIENCE TECHNICIAN III

NATURE OF WORK

This is technical work participating in and directing the work of others in a variety of specialized laboratory or workshop tasks.

Work involves participating in and supervising the work of science technicians of a lower classification and students involved in a variety of laboratory tasks. Work of this class is distinguished from that of Science Technician II by the nature of the supervisory responsibilities exercised, supervision received, and complexity and difficulty of technical duties performed. Employees of this class work under the general supervision of a faculty member. Work assignments are received orally or in writing and are performed with relative technical independence. Work is reviewed by observation of results obtained.

ILLUSTRATIVE EXAMPLES OF WORK

Trains lower level science technicians and students; supervises workshop personnel; ensures quality control of work performed; assists in selecting, ordering, installing new equipment.

Trains students to use a variety of laboratory equipment including concrete mixer, cut-off wheel, tension compression machines, dynamic impact test machines, hardness testers, and furnaces; supervises students in the mounting and polishing of metal specimens for micro-metallurgical examination; supervises students in taking photo-micrometerological pictures and in the development of pictures.

Cuts, grinds, and polishes thin slabs of rock; mounts specimen on glass slides; dries specimen in oven; operates rock crusher; sorts specimen.

Cleans, oils, and performs routine maintenance of laboratory equipment; ensures laboratories are kept clean and orderly; maintains adequate inventories of equipment and supplies.

Performs related work as required.

REQUIREMENTS OF WORK

Experience in laboratory work; graduation from high school including natural science courses, preferably supplemented by the successful completion of courses in the area of assignment from an institution of technology or trades school; or any equivalent combination of experience and training which provides the following knowledge, abilities, and skills:

Knowledge of the methods, materials, and techniques used in laboratory work.

Knowledge of the principles of the natural sciences applicable to the area of assignment.

Knowledge of the operation and maintenance of a variety of engineering equipment.

Ability to train subordinate employees.

Ability to work with mechanical equipment.

Ability to establish and maintain effective working relationships with subordinates, students, and faculty members.

Skill in the operation of a variety of metallurgical or mechanical devices.

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