



University System of Maryland Job Class Specification

TITLE: PHYSICAL SCIENCE TECHNICIAN II
FLSA: NONEXEMPT
EEO6: H50
IPEDS-SOC: C-194099

JOB CODE: N11PY2
JOB TYPE: SYSTEMWIDE
JOB FAMILY/SERIES: SCI

APPROVED BY:
Chancellor Donald N. Langenberg

EFFECTIVE DATE: 07/01/96

JOB SUMMARY

Under general supervision, performs a substantial variety of moderately complex technical support work in a particular field requiring knowledge of physical science.

PRIMARY DUTIES

1. Selects, sets up, adjusts and operates laboratory equipment and apparatus. Selects appropriate auxiliary equipment or alternative testing methods considering factors such as environmental conditions and limitations of equipment.
2. Maintains and repairs laboratory equipment. Troubleshoots malfunctioning equipment.
3. Fabricates, and tests prototypes of new experiments according to drawings and specifications.
4. Advises and assists others in laboratory experiments in the construction and design of the project.
5. Operates hand and power tools and lab equipment specific to the work such as microscale instruments, oscilloscopes, multimeters, vacuum system, spectrograph, chromatograph, gamma ray detection and other components.
6. Performs a variety of tests such as metallurgical tensile tests, under normal and adverse temperature conditions. Prepares a list of findings upon completion of tests.

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

EDUCATION: High School Diploma or GED.

EXPERIENCE: Four years in technical work in physical science or allied field to include at least two years of specialized experience which provided a working knowledge of the principles, methods, and techniques applicable to the work of the position for which applying.

OTHER:

REQUIRED KNOWLEDGE/SKILLS/ABILITIES

General knowledge of general purpose laboratory equipment according to standard safety practices; of applied arithmetic. Skill in the use of related hand and power tools. Ability work in, on, around, over and under fixed equipment and machinery; to manipulate heavy equipment, tools, and supplies and/or exert force up to 50 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 follow oral and written instructions and to communicate effectively.

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.

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 driver's license may be required.