

**TECHNOLOGIST I 3280**

**TECHNOLOGIST II 3281**

**TECHNOLOGIST III 3282**

**TECHNOLOGIST IV 3283**

**NATURE OF WORK**

This is skilled work in the installation, maintenance, calibration, design, construction and modification of electronic and electro mechanical equipment and apparatus.

Employees of this class perform or supervise activities in the installation, calibration and maintenance of scientific, laboratory, biomedical, communications, audiovisual, data terminals and computer equipment and/or instruments. Work also includes the design and construction of equipment, the preparation of schematic drawings and/or specifications, the ordering of supplies and parts and the maintenance of various related reference materials. This series differentiates from that of the Craftsman series by the primary responsibility for the maintenance, calibration and testing of specialized equipment. Supervision may be exercised over trainees and/or subordinate technical staff. Work assignments are received from a technical or administrative superior and work is reviewed through inspection or discussion and observation of results.

**ILLUSTRATIVE EXAMPLES OF WORK**

Installs, tests, calibrates and provides all maintenance services to a variety of equipment of a scientific, laboratory, biomedical, communications, audiovisual, data terminal or computer nature; designs and constructs apparatus and equipment for experimental, instructional and operational or related purposes.

Plans, directs and coordinates the general activities of a workshop or facility providing the technical support for teaching, research, experimental or related purposes; directs and coordinates the work of technical personnel; drafts and maintains policies and procedures as pertained to work schedules and staff rotation; oversees and maintains staff level in accordance with workloads of various sections.

Participates in the interview and appointment of technical personnel; provides instruction to subordinates; prepares and maintains work schedules; evaluates performance of subordinates and equipment; performs other personnel management duties.

Interprets drawings, oral and/or written proposals; estimates the cost of proposed projects; charts work progress; maintains records and quality controls; prepares and maintains workshop budget; selects and orders equipment and supplies.

Operates uses and maintains test equipment and tools related to the work and applies workshop methods, procedures and special techniques.

Maintains up-to-date technical and commercial information in ready reference for subordinates.

Maintains work area in neat and orderly condition.

Perform related work as required.

### **REQUIREMENTS OF WORK**

The minimum requirement for entry into this series is experience in the field of assignment; graduation from high school supplemented by the successful completion of an approved technology program in the field of assignment; or any equivalent combination of experience and training which provides the following knowledges, abilities and skills:

Knowledge of standard practices, methods and procedures in the field of assignment.

Knowledge of user equipment, instruments and systems in the area of assignment in order to implement maintenance and calibration procedures.

Knowledge of the maintenance and repair of shop test equipment and tools.

Knowledge of the hazards and safety precautions involved in the work.

Ability to work from schematic drawings, specifications and oral or written instructions and to exercise judgment in determining the techniques and methods.

Ability to establish and maintain effective working relationships with faculty members, students, staff, supervisors and research personnel.

Skill in the care and use of test equipment and tools common to the assignment.

At higher levels, an increasing degree of experience and formal training is required.

**3280-3283**

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**Under Review: 2004.01.05**