

# Classification and Qualification



# STANDARDS

The California State University System

## Equipment Technician Series

### INTRODUCTION

Class Title	Class Code
Equipment Maintenance Assistant	7000
Equipment Technician I, Mechanical	7001
Equipment Technician I, Electro-Mechanical	7002
Equipment Technician I, Electronic	7003
Equipment Technician I, Specialized Equipment	7004
Supervising Equipment Technician I, Mechanical	7031
Supervising Equipment Technician I, Electro-Mechanical	7032
Supervising Equipment Technician I, Electronic	7033
Supervising Equipment Technician I, Specialized Equipment	7034
Equipment Technician II, Mechanical	7011
Equipment Technician II, Electro-Mechanical	7012
Equipment Technician II, Electronic	7013
Equipment Technician II, Specialized Equipment	7014
Supervising Equipment Technician II, Mechanical	7041
Supervising Equipment Technician II, Electro-Mechanical	7042
Supervising Equipment Technician II, Electronic	7043
Supervising Equipment Technician II, Specialized Equipment	7044
Equipment Technician III, Mechanical	7021
Equipment Technician III, Electro-Mechanical	7022
Equipment Technician III, Electronic	7023
Equipment Technician III, Specialized Equipment	7024
Supervising Equipment Technician III, Mechanical	7051
Supervising Equipment Technician III, Electro-Mechanical	7052
Supervising Equipment Technician III, Electronic	7053
Supervising Equipment Technician III, Specialized Equipment	7054
Technical Equipment Supervisor	7060

## **SERIES DEFINITION:**

Incumbents of positions in this series perform a wide variety of technical equipment functions in connection with academic instructional support. Such technical equipment functions typically require that incumbents repair, maintain, overhaul, assemble, install, design, fabricate, modify and/or construct equipment, teaching aids and scientific apparatus, as well as observe safety regulations and instruct others in the safe operation of such equipment. The work principally requires application of mechanical, electro-mechanical and electronic knowledge and skills; a combination of skills and knowledges related to various trades or crafts; or specialized knowledges and skills related to providing or operating specialized or technical equipment.

## **GENERAL CLASS CHARACTERISTICS**

The degree and variety of technical expertise required in an individual position are important classification determinants. Work which primarily involves servicing, well-defined repair and maintenance, replacement of parts, and routine overhaul, standard assembly and installation of common technical equipment is classified within the Equipment Technician I classes. Positions requiring equipment servicing and routine maintenance and without overhaul are semi-skilled and should be classified as Equipment Maintenance Assistant, a class below Equipment Technician 1. For the Equipment Technician II level, positions require familiarity with basic equipment design and knowledge of "why" a piece of equipment works, troubleshooting of technical equipment, developmental work involving the design, fabrication and modification, and construction of scientific and technical equipment and apparatus. The Equipment Technician III classes involve design and assembly of complex or unique equipment; fabrication, modification, and construction of non-standard equipment,, and may involve repair, maintenance, and overhaul of such equipment. At the III level, incumbents may lead other Equipment Technicians and related personnel in coordinating activities on complex projects, work may involve coordinating work in two or more distinct and separate technical equipment areas. Design work at the III level requires independent contributions based upon a working knowledge and application of advanced scientific and engineering principles.

Independence and originality are additional classification elements. At the I level, few tasks require originality while virtually all tasks require application of technical skills independently to the assigned range of equipment types. A higher degree of independence is required at the Equipment Technician II level because of the greater variety in types of equipment. Work requires adaptation, judgment, and application of a greater scope of knowledges and skills than is required at the I level. At the Equipment Technician III level, the work requires a very high degree of independence because positions at this level are responsible for solving highly technical problems using knowledge of theoretical principles and wide practical experience. Originality is a major element at the Equipment Technician III level where responsibility involves prototype design and fabrication.