

ALTERNATE RANGE CRITERIA 428

Established 5/2/00

When an employee first enters the class, he/she shall be eligible for appointment to the appropriate range in terms of the following criteria. Professional engineering experience for the purpose of this Alternate Range Criteria is defined as actual work experience gained after graduation from a four-year college or university with a degree in an engineering curriculum.

Range A. This range shall apply to persons who do not meet the criteria for Range B, Range C, or Range D.

Range B. This range shall apply to persons who have either:

1. One year of experience in the California state service performing duties equivalent to a Mechanical Engineer, Range A. or
2. Two years of professional engineering experience outside State service performing mechanical engineering work designing, planning, and writing specifications for mechanical systems in dams, electrical power and pumping plants, substations, radio stations, highways, tunnels, bridges, and institutional and office buildings; preparing designs, detailed drawings, and specifications for mechanical systems such as heating, ventilating, air-conditioning, refrigeration, plumbing, water supply and water purification systems, sanitary and drainage systems, or steam generating plants; checking working drawings; preparing material lists and purchasing requisitions; making detailed field inspections of material and equipment, and construction operations; making or supervising the installation, repair, or recommending improvements of mechanical equipment or systems; leading the work and reviewing the reports of lower-level engineers; and preparing correspondence and reports. and

A bachelor's degree in an engineering curriculum accredited by the Accreditation Board for Engineering and Technology. or

A master's or doctorate degree in an engineering curriculum from a college or university that has an engineering baccalaureate degree program accredited by the Accreditation Board for Engineering and Technology.

Range C. This range shall apply to persons who have either:

1. Two years of experience in the California state service performing duties equivalent to a Mechanical Engineer, Range B. or
2. Three years of professional engineering experience outside State service performing mechanical engineering work designing, planning, and writing

specifications for mechanical systems in dams, electrical power and pumping plants, substations, radio stations, highways, tunnels, bridges, and institutional and office buildings; preparing designs, detailed drawings, and specifications for mechanical systems such as heating, ventilating, air-conditioning, refrigeration, plumbing, water supply and water purification systems, sanitary and drainage systems, or steam generating plants; checking working drawings; preparing material lists and purchasing requisitions; making detailed field inspections of material and equipment, and construction operations; making or supervising the installation, repair, or recommending improvements of mechanical equipment or systems; leading the work and reviewing the reports of lower-level engineers; and preparing correspondence and reports. and

A bachelor's degree in an engineering curriculum accredited by the Accreditation Board for Engineering and Technology. (Possession of a Doctor's Degree in Engineering may be substituted for two years of experience; possession of a Master's Degree in Engineering may be substituted for one year of experience.)

Range D. This range shall apply to persons who have:

Possession of a valid certificate of registration as an engineer issued by the California State Board of Registration for Professional Engineers.

When the requirements for movement to Range B or C are met and upon recommendation of the appointing power, the employee shall receive the rate in Range B or C under the provisions of Department of Personnel Administration Rule 599.676, except that upon movement from Range C to Range D, the provisions of Department of Personnel Administration Rule 599.674(b) shall apply.