

### Class Concept

Positions in this class are responsible for the installation, maintenance, and repair of air-conditioning and refrigeration units and associated air handling, chilled water distribution, and control systems at a State institution through supervision of a staff of air-conditioning mechanics engaged in this type of work. In addition, positions are responsible for designing smaller air-conditioning systems, designing modifications to existing system reviewing plans and specification for contracted work, and reviewing the work of outside contractors. Work is performed independently under the supervision of a plant engineer and is evaluated through effective and efficient equipment operation.

### Recruitment Standards

#### Knowledge, Skills, and Abilities

- Working knowledge of refrigeration theory.
- Working knowledge of operating (BAU) building automation systems.
- Working knowledge of troubleshooting (DDC) Direct Digital Controls.
- Basic knowledge of electricity sufficient to troubleshoot and repair complex electrical control circuits.
- Considerable knowledge of the design and operation of centrifugal and reciprocal compressors.
- Considerable knowledge of the design and operation of pneumatic control systems.
- Considerable knowledge of the practices, methods, materials, and equipment used in the maintenance and repair of air-conditioning and refrigeration equipment.
- Ability to train and supervise other workers.
- Ability to design smaller air-conditioning systems or design modifications to larger systems. .
- Ability to review and critique plans and specifications for air-conditioning systems.

#### Minimum Education and Experience

High school or General Educational Development (GED) diploma and up to three years of journey level experience in the installation, maintenance or repair of air conditioning chillers, air handling, chilled water distribution and control systems including one year at the journey level; or an equivalent combination of education and experience.

#### Necessary Special Qualifications

Requires current certification by the Environmental Protection Agency as a Type I, II, III or Universal technician as required by Title 40, Code of Federal Regulations part 82, subpart F.