

## **BUILDING ENGINEER**

### **Nature of work**

The principal and customary work of the employee in this employment class consists in ensuring the functioning, the operation and the alteration of the mechanical, electrical and control installations of an establishment, in carrying out the regular and preventive maintenance programs for different equipment, apparatus and power or service systems: steam, domestic hot water, sprinklers, vacuum, pneumatic systems, refrigerated water, etc. In accordance with the regulations in force, he gives technical help to the various departments of the college, principally by carrying out research, drawing up plans, writing out specifications and by checking that the work respects the terms of the contracts.

### **Required qualifications**

#### Schooling

To have a diploma of college studies in an appropriate specialty or a diploma or an attestation of studies which is recognized as equivalent by the competent authority.

### **Some characteristic duties**

The employee in this employment class is responsible for the operation, the maintenance, the inspection and the installation of systems related to heating, air conditioning, ventilation and refrigeration and related equipment.

He is responsible for preventive maintenance of mechanical systems and, to do so, carries out regular inspections and operation tests; he sees that the repairs are carried out or carries them out himself and he makes the necessary recommendations for major repairs or for required improvements.

He participates in the development and in the upkeep of the physical inventory of mechanical services and of the supply depot of spare parts that are necessary for the reliability of the systems. He studies and proposes energy saving programs, implements them or has them implemented when they are approved by the college.

Within the limits of his competence, he draws up and prepares drawings and architectural plans for heating, ventilation, refrigeration, plumbing, electricity or other work as well as the appropriate specifications for tendering and construction. He draws up standard plans for certain premises, equipment and furniture; he carries out assignments related to cost estimates and verification.

He is called upon to coordinate the work of support personnel involved in technical operations or programs for which he is responsible and to train less experienced personnel.

If need be, he performs any other related tasks.