

Hire an intern in Building Mechanical Systems Technology!



The **Building Mechanical Systems Technology** program trains technicians to practice their profession in the offices of consulting engineers, energy management consultants, building mechanical systems contractors, municipalities, manufacturers agents, wholesalers, public or quasi-public services and the manufacturing industry.

What tasks can an intern perform in your team?

Under the supervision of a technician or an engineer, interns can make a significant contribution in different tasks related to their profession:

- ensuring that building mechanical systems run smoothly;
- proceed with systems start-up, adjustment and maintenance;
- apply standards, laws and regulations;
- analyzing building thermal requirements;
- assist in the design of mechanical systems;
- research and identification of appropriate systems;
- drawing up plans and writing specifications;
- establish project estimates;
- assisting in technical sales.

What skills have they acquired before their internship?

Whether it's the first or the second internship, the students have completed the first or the second year of the program. In addition to general knowledge, candidates have acquired specific knowledge in the following areas:

- safe working methods, accuracy, self-reliance and a sense of responsibility;
- construction standards, codes and regulations;
- computer-assisted design;
- heat load calculation and psychometric
- electricity distribution and control process;
- mechanics of fluids;
- ventilation, air conditioning, heating and refrigeration process and design;
- fire protection, plumbing and piping process and design;
- computer science;
- professional relations.



With which types of technology and equipment are they familiar?

In the laboratories of the Building Mechanical Systems Technology Department, students have had the opportunity to work with the following equipment and components from the following systems;

- steam, hot water and hot air generators;
- complete central air and distribution system, with exhaust and fresh air;
- complete refrigeration systems;
- complete plumbing, heating, ventilation and air conditioning systems;
- fire protection systems;
- electrical systems and components.

With which types of software are they familiar?

All courses in this program use computers. With the Internet, computers are indispensable work and research tools. Here are types of software which candidates have worked with:

- computer-assisted design software – AutoCAD;
- software to calculate heat losses / gains – Carrier HAP E20-II;
- software of the Office suite (Word, Excel, MS Project);

How are Intern partnerships established?

The Building Mechanical Systems Technology Department gives a Work-Study Internship Coordinator the responsibility to find internships and reaching agreements with employers.

Placing an intern into your work team requires only 7 simple steps:

1. Employers begin the process by consulting the various public online databases which list candidates looking for a student job.
2. Interested employers communicate with our Department's Internship Coordinator whose contact data appears below.
3. They submit an offer to hire an intern or develop the possible offer jointly with our Coordinator.
4. The Coordinator then informs possible candidates about internship offers.
5. The Coordinator submits a written application to the employer for each interested intern.
6. The employer selects an applicant.
7. The Cegep, the intern and the employment work supervision sign an agreement specifying the internship conditions and describing each party's responsibilities.

What are internship schedules and stipends?

The Building Mechanical Systems Technology includes two internships, each lasting between 12 to 14 weeks. The first period follows the second semester of study. It usually occurs in the summer following the first year of studies. The second internship is one year later, at the end of the fourth semester, in the summer following the second year of studies. The internships are paid and should enable interns to explore different areas of the Building Mechanical Systems Technology field in its concrete working environment. These provide opportunities to make links between acquired theoretical knowledge, necessary skills to be developed and the real, practical requirements of an actual workplace situation.

Who to contact to hire your intern?

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