

Richardson Associates (1993) Limited

- Educational Facility - Project Summary -

Project Name: K.C. Irving Chemistry Centre, University of Prince Edward Island, Charlottetown, P.E.I.

In the fall of 1996, the K.C. Irving Chemistry Centre was opened on time and on budget. The building is home to the University's chemistry department which, over the years, has gained an international reputation for its research and development around the world.

The 25,000 sq. ft building is an "L"-shape, with classrooms and freshman laboratory located on the ground floor, and senior labs, offices, and research wing on the second floor. Classrooms are comprised of a 120-seat lecture theatre and a 60-seat lecture room, both fully equipped with multimedia audiovisual aids (these are wheelchair accessible and are equipped for the hearing-impaired); and two seminar rooms (30 seats and 15 seats). The lecture theatre houses freshman, organic, and biochemistry courses. Other second- and third-year courses are held in the 60-seat lecture room, while fourth-year courses are held in the seminar rooms. The freshman laboratory can accommodate up to 60 students per session. The second-floor teaching wing contains a Physical/Analytical/Inorganic lab plus an Organic/Biochemistry lab. Each bench is equipped with local extractor hoods to maintain a high air-quality.

The building's electrical systems are designed to be functional as well as to utilize the latest energy efficient technology. The building is completely wired for computer services and is linked to the rest of the University campus via a fibre optic cable link to the main University computer system. Some of the electrical design features incorporated into this facility include, energy efficient fluorescent lamps and electronic ballasts, Lecture theatre sound reinforcement system, Lecture theatre computerized lighting control system, Lecture theatre Digital LCD overhead projection system and motorized screen, Building fire alarm protection system, Local area network data system, Propane powered standby generator and automatic transfer system. The Overall value of the project was approximately \$5,400,000 with the electrical contract valued at approximately \$300,000.00.

