

HSCAS

HEALTH SCIENCES CENTRE FOR ADVANCED SIMULATION

Rendering prepared by Sternlec



BCIT's Health Sciences Centre for Advanced Simulation (HSCAS) will be unique in health care education by integrating simulation of direct patient care (nursing) and indirect patient care, as well as allied health and laboratory science simulation.

Simulation is a major feature of healthcare education in North America, offering many benefits, including opportunities for healthcare students to repeatedly practice in safe and realistic environments, such as hospitals, health centres, homes, and remote settings. This essential teaching and learning tool will enrich students' real life clinical experiences.

HSCAS @ A GLANCE

- > BUILDING SIZE = 111,460 sf / 10,355 m²
- > TOTAL COST = \$78.266 million (\$66.566 million + \$11.7 million for specialized simulation equipment).
- > Provides an identity for SoHS on campus, and consolidates its programs into a compact precinct of three buildings.
- > Addresses deferred maintenance and functional inadequacies of current SoHS space. ▶

BCIT **50** YEARS

HSCAS @ A GLANCE cont'd

- > **BCIT already efficiently uses its teaching spaces. Ministry FTE targets are exceeded with a 112% utilization rate for 2015/16 with AVED base funding.**
- > **Provides modern teaching spaces that the current space cannot accommodate:**
 - > **Simulation Labs**
 - > **Multipurpose Rooms (Collaborative Project-Based Learning Spaces)**
 - > **Debriefing Rooms**
 - > **Control Rooms**
 - > **Electronic Health Recording Stations**
 - > **Service, Support and Storage Areas**
 - > **BCIT Medical Clinic**

The SoHS is a primary contributor of health science professionals to the BC healthcare system, and current enrolments are 2,354 FTEs. These students acquire the education and skills necessary to be job-ready. Key aspects of the School's leadership role in healthcare education are:

- > **Diagnostic Technologies.** 100% of all Sonography, Nuclear Medicine, and Radiation Therapy graduates in BC.
- > **Specialty Nursing.** 90% of specialty nursing certificates in the province.
- > **Medical Laboratory Technology & Medical Radiography.** Almost 80% of all BC graduates.
- > **Nursing.** Largest number of BC nursing graduates annually.
- > **Allied Health Programs.** 100% of Electroneurophysiology, Prosthetics and Orthotics, and Clinical Genetics graduates in the province.
- > **Biomedical Engineering.** Only program of its kind in BC, and the only one in Canada specifically targeted to both the hospital and medical device industries.

DEMAND

- > Consistent with the *BC Skills for Jobs Blueprint*.
- > B.C.'s health sector employed 227,000 workers in 2015, one of the largest sectors in terms of the number of workers.
- > Employment in the health sector is forecast to increase by an annual average rate of 2.3 per cent to 2025.

