



Partner with **George Brown College** to develop your innovations in the Heating, Ventilation and Air Conditioning (HVAC) sphere.

Do you have an idea that could change your company? Or even the industry?

It's an exciting time for HVAC, with promising technologies like solar power and smart thermostats poised to reduce energy use and lessen overall environmental impact.

Your R&D team for hire.

No matter what size your company is, building your own in-house R&D department can be a substantial investment. So let us be your R&D. Our partners access new technologies, state of the art equipment and facilities and tap into our college-wide expertise, for a fraction of the cost of an in-house department.

Keeping IP with Industry.

Our approach is very IP-friendly—we prioritize keeping intellectual property with our partners. We can also connect you to other resources beyond the college if necessary to complete your project.

Our areas of research strength.

Partnering with our Product Development Exchange (PDx) for manufacturing, our HVAC researchers want to help you develop your ideas into products on the market.

Research in:

- building code interpretation
- heat load calculations
- HVAC system design
- AutoCAD
- Heat Loss/Gain
- HVAC system design

Cutting edge lab space and equipment.

GBC has four different HVAC labs consisting of over 10,000 sq ft. of shop space which house over 200 pieces of equipment, including gas fired tankless boilers with domestic hot water and space heating abilities and a Carbon Dioxide (CO2) grocery store refrigeration trainer.

With a comprehensive variety of gas-fired, refrigeration and air conditioning equipment, our researchers and students are able to work on wide variety of industry research projects.

Connections with Industry.

Our program remains relevant and connected to the industry through the continual communication with our Professional Advisory Committee (PAC), populated by industry leaders including the HVAC service and installation industry, HVAC suppliers, HVAC equipment manufacturers and HVAC design firms.

Our faculty and support staff stay active in the field, delivering the most current information to our students so they become top candidates for employment and research recruitment.

Funding.

George Brown College has access to government funding to help support and build Canadian capacity within the HVAC industry through solving industry challenges.