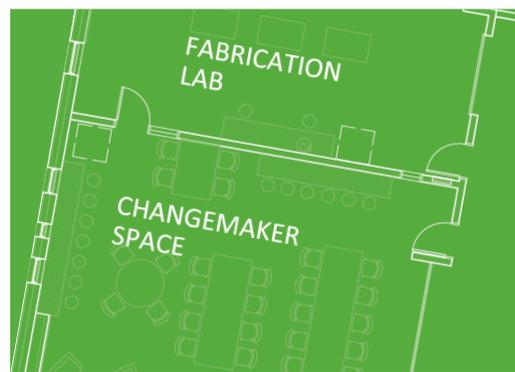


Technology, Innovation and Research

Accelerating success



Advanced Technology, Innovation and Research Centre

The \$30-million, three-storey, 56,000-square-foot facility is already supported by funding from four levels of government totaling \$23 million. We now need your support to raise an additional \$7 million. It will be a centrepiece of Georgian's Barrie Campus, prominently facing busy Highway 400. The centre will include:

- research and commercialization space for industry, including incubator, changemaker and fabrication spaces
- labs and collaboration space for more than 800 degree and diploma students
- computer-aided design (CAD), computer-aided manufacturing (CAM) and geographic information system (GIS) labs
- dedicated telepresence room, anechoic chamber, electrical lab, technical project space, and more

When you think of a college, you think first of students, and so you should. It is critical that Georgian is also known as an important resource for local business and industry. That's why the **Advanced Technology, Innovation and Research Centre** is about more than Georgian – it's about community, business and students coming together.

The centre will be a game changer, a home for new diploma and degree studies, but also a boost for the economy. In this centre, academia and industry will work together, collaborating to innovate, diversify our economy, and create new opportunities for the future.



The Centre for Research, Innovation and Commercialization

is a highlight of the new facility. Providing a research and commercialization-rich environment, it will play an essential role in **creating a powerful local entrepreneurship climate and in supporting the diversification of the economy**. Simcoe County – in fact, all of Central Ontario – does not have a dedicated facility of any kind related to research, acceleration or commercialization.

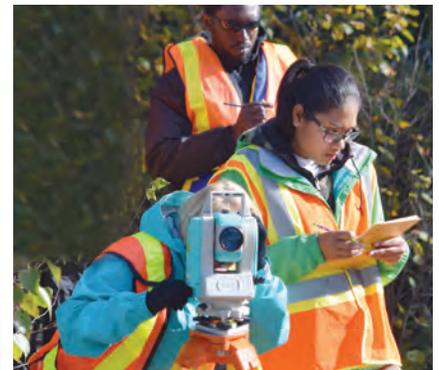
The Centre for Research, Innovation and Commercialization (C-RIC) will be fundamental to the economic growth and prosperity of Central Ontario. It will function as a community hub where innovation is fostered and celebrated. It will be the go-to source to develop and incubate products and services, to test concepts, and to showcase promising research and new products. A veritable hive of activity, this will be the place where dynamic research collaborations are initiated and sustained, involving entrepreneurs, industry researchers, academics and others.



Central Ontario's first engineering degrees

A highly skilled workforce is vital to economic success. This is particularly true in STEM disciplines – science, technology, engineering and math.

Engineering job opportunities in Central Ontario are projected to grow. Yet, there have been no engineering degrees offered in Central Ontario. Georgian is meeting this need by introducing the first electrical engineering degree in partnership with Lakehead University. Students will graduate job-ready with both a diploma and a degree, the best of a college and university education, in just four years. In future years, the Advanced Technology, Innovation and Research Centre will allow for the growth of additional degree studies in mechanical, civil and software engineering.



Students will experience the best of both university and college education – many in integrated programs, earning both a university degree and college diploma in four years.

Environmental sustainability

The Advanced Technology, Innovation and Research Centre will be a living lab. Sustainable building construction and energy efficiency principles are incorporated throughout the new facility. Key learning and research opportunities include the ability to capture data on the usage and functionality of:

- rooftop solar panels
- a micro-grid display room
- building automation control system
- geothermal ground source heating and cooling
- LED lighting

The centre will also be home to the first two years of a new combined degree-diploma focused on environmental sustainability in partnership with Lakehead University.



Meeting the need for degree-level studies in an underserved area of the country. **This is vital to the regional economy as more degree-level education will augment the diploma, apprenticeship and skilled trades programming at Georgian.** The centre will contribute to the prosperity and competitive advantage of the County of Simcoe, City of Barrie, City of Orillia, and surrounding region.

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