

**Date:** 2021-07-02

**Subject:** **Ryerson University Brampton School of Medicine Update**

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**Report Number:** CAO's Office-2021-797

**Recommendations:**

That the report entitled, **Ryerson University School of Medicine Update**, to the Council meeting of July 7, 2021, be received for information; and,

That Council authorize the Chief Administrative Officer (CAO) to support the Planning Grant for the Brampton School of Medicine in the amount of one (1) million dollars; and

The payment of one (1) million dollars to Ryerson University be payable at/before August 1, 2021, and secured from the City of Brampton's Legacy Fund Reserve.

**Overview:**

- On June 23, 2021, President Lachemi of Ryerson University delegated to Committee of Council and requested the City of Brampton (City) financially support the development of the Brampton School of Medicine business case submission to the Province of Ontario
- On June 23, 2021, Committee of Council endorsed a motion that the Chief Administrative Officer (CAO), or his assigned designate, begin working together with designated representatives from Ryerson University regarding their request for financial support in the planning of the Brampton School of Medicine, with assistance of other staff resources as, determined operationally essential by the CAO, which included but was not limited to:

- i. The request from Ryerson University to have the City of Brampton financially support the development of the Brampton School of Medicine Business Case submission to the Province of Ontario by providing \$1 million towards the expected costs of \$3 million; and
- ii. The request from Ryerson University to work with City staff on terms and conditions of this funding; and
- iii. The request from Ryerson University to have City staff identify opportunities for members of Brampton City Council to work alongside the university to host community consultations, contributing to the planning of the Brampton School of Medicine; and
- iv. The request from Ryerson University to have City staff to identify potential facility locations in municipal property to accommodate the Brampton School of Medicine; and
- v. The request from Ryerson University to have City staff collaborate on a joint media release to inform the community.
  - The delegation and subsequent motion at the Committee of Council meeting on June 23, 2021, resulted in the following Councillor Information Requests:
    - i. Request for confirmation of the funding source for the one (1) million dollars requested in support of the Brampton School of Medicine; and
    - ii. Staff provide a synopsis of the previous City funding in support of Ryerson University projects in the City; and
    - iii. Staff provide a synopsis of the economic impact of implementation of a Brampton School of Medicine in the City.

**Background:**

The City understands the importance of having local post-secondary educational opportunities accessible in the municipality. The residents of the City are interested in access to academic programs in the community where they live. The Brampton University (BramptonU) advocacy initiative was implemented in part to attract, retain and expand access to post-secondary education in the City.

In 2018, the Ministry of Colleges & Universities for the Province of Ontario announced the tentative approval for an academic presence of Ryerson University in the City. As a result of the announcement, Council endorsed, in principle, up to \$50M over 10 years,

into a post-secondary facility led by Ryerson University in Downtown Brampton (C268-2017/CW283-2017) from the Legacy Reserve Fund.

In 2019, the Rogers Cybersecurity Catalyst was located in downtown Brampton as a not-for-profit organization, owned and operated by Ryerson University with substantial connections to the university’s faculty and students. The Catalyst has a broad mandate to empower Canadians and Canadian businesses through training, research and education in cybersecurity. The City of Brampton will provide support for the Catalyst's programming, including the physical establishment of the Catalyst's training centre, commercial accelerator, and simulated security operations. The City support for the Rogers Cybersecurity Catalyst (Project #191206-001) via the Legacy Reserve Fund was \$5M over a period of four (4) years. As of 2021, the City has contributed \$3.6M with the remainder subject to payment in 2022.

In 2019, the Ryerson Venture Zone (RVZ) was launched in the City as an incubator dedicated to attracting, building and growing early stage, high potential technology startups. Together with industry partners, and backed by research and expertise from Ryerson University, the RVZ enables connections between entrepreneurs, peers, experts, funders, and customers within a culture that fosters a mindset of growth. The City support for the RVZ was \$5M over a six (6) year period with operating funds provided annually ranging from \$425K to \$1.5M. As of 2021, the funds allocated of approved the \$5M is \$1,750,000. The remaining funds will be allocated in the year ending 2024.

Therefore, the financial commitment from the City to Ryerson University is \$10M. The funding source was \$5M from the Legacy Reserve Fund and \$5M from the annual operating budget. There remains a total of \$45M allocated to Ryerson University in 2021 in order to support the implementation of a Ryerson campus in the City. The \$45M remains accessible in support of Ryerson University in the Legacy Reserve Fund.

As the legacy fund currently has a remaining balance of **\$45,000,000** from the endorsed, in principle, funds for the previous Ryerson University expansion into the City, staff recommend that the \$1M funding to Ryerson University for the Brampton School of Medicine Business Case be allocated from this fund.

**Ryerson University: Allocation**

The table below illustrates funding that has been provided and/or been earmarked for Ryerson University in order to support an academic presence in the City. The chart outlines the explanations provided above.

Initiative	Project #	Funding Source	Amount
Cybersecure Catalyst	191206-001	Legacy Fund	\$5,000,000
Ryerson University	Earmarked (Not Committed)	Legacy Fund	\$45,000,000
Ryerson Venture Zone	Operating Budget	Operating Budget	\$5,000,000

<b>Reserve Allocated</b>	\$5,000,000
<b>Operating Funds Allocated</b>	\$5,000,000
<b>Total Commitment</b>	<b>\$10,000,000</b>
<b>Remaining Legacy Fund Reserve</b>	<b>\$45,000,000</b>

Attached is a summary of budget/commitments to academic institutions from 2017-2024.

## **Ryerson University: Economic Impact in Brampton**

### Cybersecure Catalyst

The Catalyst's offices and hubs comprise 3 of the 15 total innovation nodes in the Innovation district and helps to establish Brampton as a national leader in cybersecurity which has seen a 7% growth rate in labour demand in Canada. The Catalyst is a founding member of the National Cybersecurity Consortium (NCC) which is applying to be the Lead Recipient of the new federal Cybersecurity Innovation Network Program (CSIN), which will generate \$160M in investment in cybersecurity training, commercialization and applied research and development nationally.

To date, the Catalyst has trained more than 100 cybersecurity professionals in the Brampton-based Accelerated Cybersecurity Training Program (ACTP), and is on track to graduate nearly 700 from this program by the end of 2023. The Catalyst has also accelerated ten (10) Canadian cybersecurity companies through the Catalyst Cyber Accelerator and is on track to accelerate sixty (60) companies by the end of 2023.

### Ryerson Venture Zone

The Ryerson Venture Zone is home to 9 Brampton-based startups led by 24 founders/participants. In Q1 of 2021, the Ryerson Venture Zone has delivered 347 public and private training sessions, engaged 547 entrepreneurs/intrapreneurs, engaged 48 founders/co-founders and 21 new startups.

### **Post-Secondary Analytics:**

In 2017, a study was completed focused on the development of Peel Memorial Centre for Integrated Health and Wellness by MDB Insight in support of the Brampton Human Health and Sciences Cluster Development Strategy. The report noted the importance of attracting a university campus or developing partnerships with nearby post-secondary institutions in order to increase the intellectual appeal and higher learning systems that draw creativity, entrepreneurship, and talent development. The report also noted that post-secondary institutions are anchors for connecting research with market needs in human health and sciences.

In 2017, Urban Metrics Incorporated completed an economic impact statement in support of a university based on 5,000 students and the Centre for Education, Innovation and Culture (CEIC – later renamed the Centre for Innovation – CFI). The report indicated the economic output nation-wide would be estimated at \$439M. The completed report is attached.

In 2018, Council approved a new Economic Development Master Plan which addressed the need for partnerships with the private and public sector including building linkages with post-secondary institutions and local businesses aimed at talent attraction and retention initiatives on workforce expansion in growing sectors. The health and life sciences sector has been identified as one of the City’s five key sectors and has seen a 50% growth in employment since 2005.

In 2021, an analysis was completed with respect to the existing number of medical schools across Canada and the student populations. Based on the 90<sup>th</sup> percentile the number of medical students in Canadian universities is 248. The chart below outlines the information secured from that analysis.

<b>Medical School</b>	<b>No. Students</b>
<a href="#">Dalhousie University</a>	108
<a href="#">McGill University</a>	184
<a href="#">McMaster University</a>	205
<a href="#">Memorial University of Newfoundland</a>	80
<a href="#">Northern Ontario School of Medicine</a>	64
<a href="#">Queen's University</a>	100
<a href="#">University of Calgary</a>	155
<a href="#">University of Manitoba</a>	112
<a href="#">University of Ottawa</a>	164
<a href="#">University of Saskatchewan</a>	100
<a href="#">University of Toronto</a>	259
<a href="#">University of British Columbia</a>	288
<a href="#">Western University</a>	164
<b>Total Students</b>	<b>1,983</b>
<b>90th Percentile</b>	<b>248</b>
<b>50% Percentile</b>	<b>155</b>
<b>Min.</b>	<b>64</b>
<b>Max.</b>	<b>288</b>

The calculation was completed for medical schools in Ontario to determine the number of students based on the 90<sup>th</sup> percentile. The 90<sup>th</sup> percentile of medical students in Ontario was calculated at 232. The chart below outlines the information secured from that analysis. These multipliers are built on statistical standards.

<b>Medical School</b>	<b>No. Students</b>
<a href="#">McMaster University</a>	205
<a href="#">Northern Ontario School of Medicine</a>	64
<a href="#">Queen's University</a>	100
<a href="#">University of Ottawa</a>	164
<a href="#">University of Toronto</a>	259
<a href="#">Western University</a>	164
<b>Total Students</b>	<b>956</b>
<b>90th Percentile</b>	<b>232</b>
<b>50% Percentile</b>	<b>164</b>
<b>Min.</b>	<b>64</b>
<b>Max.</b>	<b>259</b>

The calculation was conducted to illustrate the potential student population of the Brampton School of Medicine. The confirmation of the number of students will be confirmed via the curriculum and operational planning to be completed with the funds allocated to Ryerson University. The minimum number of students of 64 has been used to provide a preliminary estimate of the economic impact for the City.

Most economic impact models use a cash-flow analysis for communities in a designated region (e.g. Brampton in the Region of Peel). This analysis usually includes economic multipliers that incorporate population size, industry diversity, and the propensity to spend locally. These multipliers are based on industry standards as per the Statistics Canada Input Output Model.

The Northern Ontario School of Medicine recently estimated the direct impact of the medical school on the regions they served to be about \$65 million per year. This does not include the economic impact of additional medical services to the region of almost \$90 million<sup>1</sup>.

Based on our review of medical school first year populations in Ontario, the minimum size is 64 students which resulted in an economic impact for the local community of \$90M per year. It is predicted that the Brampton School of Medicine would achieve a similar economic impact pending confirmation from the completion of an in-depth financial analysis conducted during the planning process.

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<sup>1</sup> Medscape Drugs & Diseases - Comprehensive peer-reviewed medical condition, surgery, and clinical procedure articles with symptoms, diagnosis, staging, treatment, drugs and medications, prognosis, follow-up, and pictures. (n.d.).  
<https://reference.medscape.com/medline/abstract/25611911>.

### *Next Steps*

Staff will work together with designated representatives from Ryerson University regarding their request for financial support in the planning of the Brampton School of Medicine which includes, but is not limited to, the terms and conditions of the \$1M funding, identifying opportunities to work alongside the university to host community consultations, identifying potential facility locations on municipal property and a joint media release to inform the community.

### **Corporate Implications:**

#### Financial Implications:

Staff recommends utilizing the Legacy Reserve Fund endorsed, in principle, for Ryerson University as the source of the \$1M funding.

#### Other Implications:

No other implications have been identified at this time.

### **Term of Council Priorities:**

The funding supports **A City of Opportunities** by exploring and making additional post-secondary opportunities available to the residents of Brampton, and the Region of Peel, to develop and retain homegrown talent while attracting investment and employment.

### **Conclusion:**

Financially supporting the Ryerson University Brampton School of Medicine Business Case would allow for continued advocacy to increase post-secondary opportunities available to the resident of Brampton that support our local economy and assist in retaining homegrown talent in the health and science sector.

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**Attachments:**

Summary of Budget related to Academic Institutions  
MDB Insight – PMC and Surrounding Precinct Market and Economic Development  
Opportunity Study  
Urban Metrics – Downtown Brampton University and CEIC Economic Impact Statement