



Commercialization Mandate Policy Framework

Institutional Approaches to Research and Innovation and Public Statement on the Annual Commercialization Plan

As noted, responses to the sections above will not require public posting and will remain confidential to the Ministry and IPON. However, your institution is required to publish this section, which provides an opportunity to describe: (1) the specific approach your institution takes toward research and innovation activities; and (2) a summary of your Year 1 ACP that includes a brief discussion of key elements discussed above.

Please describe the specific approach your institution takes toward research and innovation activities and how it sees itself within the research and innovation cycle.

Please provide a public-facing summary of your institution's Year 1 ACP, including a discussion of engagement with the private sector, research and innovation intermediaries, IPON, and your on-campus research and innovation ecosystem.

<Max 1000 words>

Lambton College's Research & Innovation department is a leader for collaborative applied research, development, innovation, education, entrepreneurship and commercialization. The mission of Lambton College's Research and Innovation department is to advance knowledge while adopting and nurturing a culture of entrepreneurship and innovation on campus and in the communities we serve. As a department, we strive to educate and train highly qualified professionals to serve emerging industries in our region and around the world. We are committed to generating, disseminating and preserving knowledge, while engaging with our partners to resolve local and global issues. Through excellence in applied research, commercialization and entrepreneurship, we will support and advance domestic and international projects while providing economic, social, environmental and technological advancements.

The Research and Innovation department's Strategic Plan identifies six thematic areas that are designed to facilitate excellence and collaboration both within Lambton College and with partner organizations to address issues of local, national and global importance:

1. Promote: Innovation and Healthy Living
2. Engage: Community, Students, Industry and Government
3. Build: Entrepreneurial Community and Vibrant Societies
4. Enable: Technologies for the 21st Century
5. Sustain: Environment and Humanity
6. Advance: Knowledge and Prosperity

In 2004 Lambton was one of the first College's to support research activities and established its first

research lab. Since 2004 Lambton College has established six research centres and four research groups to support the research and development needs of the region, province, and Canada. As the only College in Canada to be ranked top five for the past seven consecutive years, Lambton College has worked with more than 250 companies per year on nearly 300 projects annually with an annual research budget close to \$20M. Lambton College has following established research centres and groups:

- Bio-industrial Process Research Centre (BPRC),
- Centre for Industrial Material Development (CIMD),
- Information Technology and Communication Research Centre (ITCRC),
- Lambton Manufacturing Innovation Centre (LMIC),
- Lambton Energy Research Centre (LERC), and
- Lambton Water Centre (LWC).
- Nanotechnology and Electrochemical Engineering,
- Social Science and Health,
- Natural Health Products,
- Instrumentation, Control and Automation, and
- Food and Beverage.

In addition, Lambton is continuously establishing new areas of research utilizing the existing capacity and is currently focused on areas including recyclable materials, energy storage, and battery innovation.

Lambton College is focused to continue and grow its commercialization supports to industry. Lambton College with support and collaboration from IPON will improve upon its capabilities to guide its partners through the IP development, management and commercialization process. Lambton College with its industry facing research activities is able to provide great impact to IP commercialization in Ontario with further development and collaboration with innovation partners specifically IPON.

In Lambton College's Year 1 ACP, the primary focus is on education and expertise building to allow for added supports to Lambton College industry partners.