

GET READY TO...

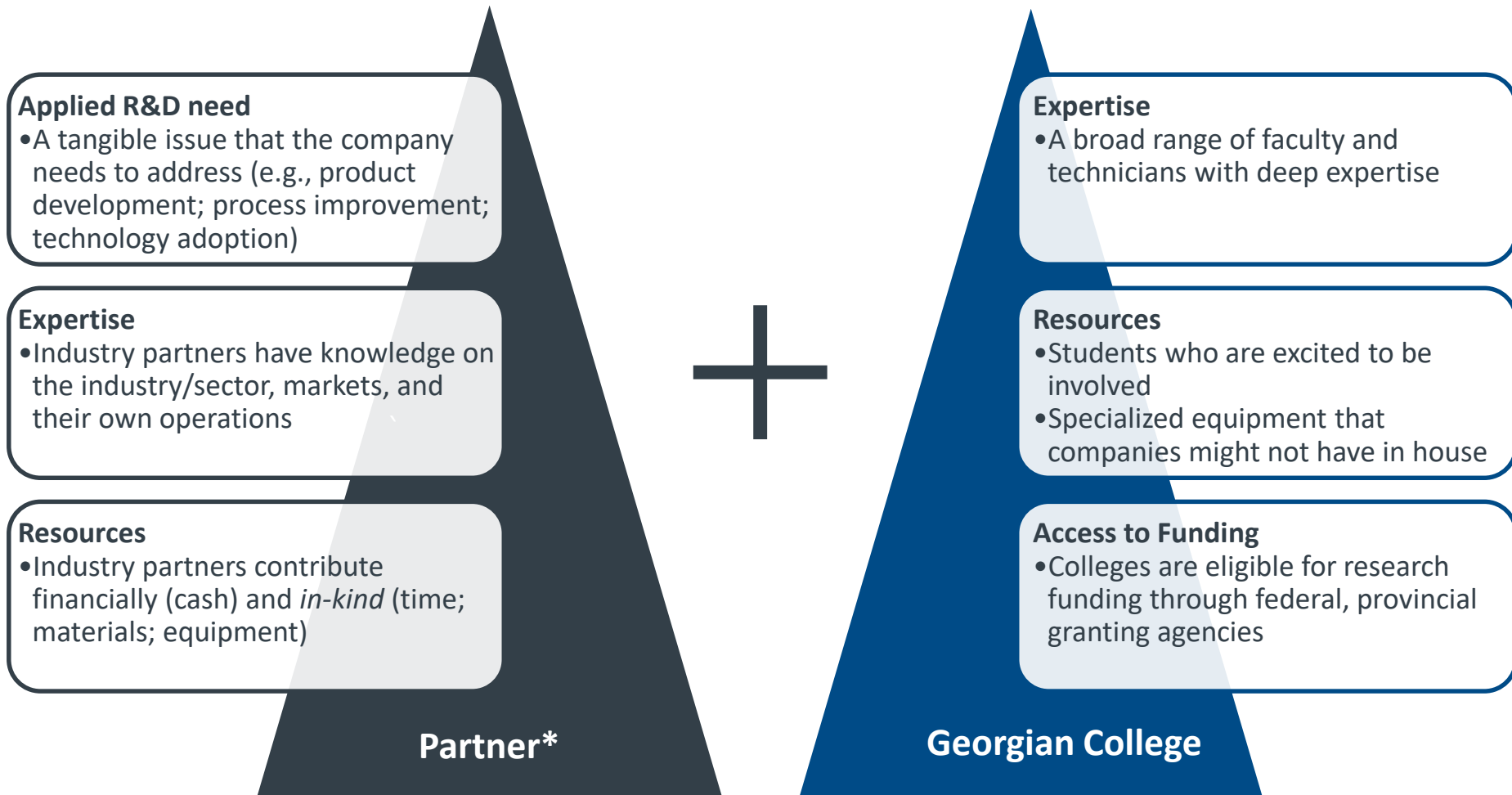
Experience



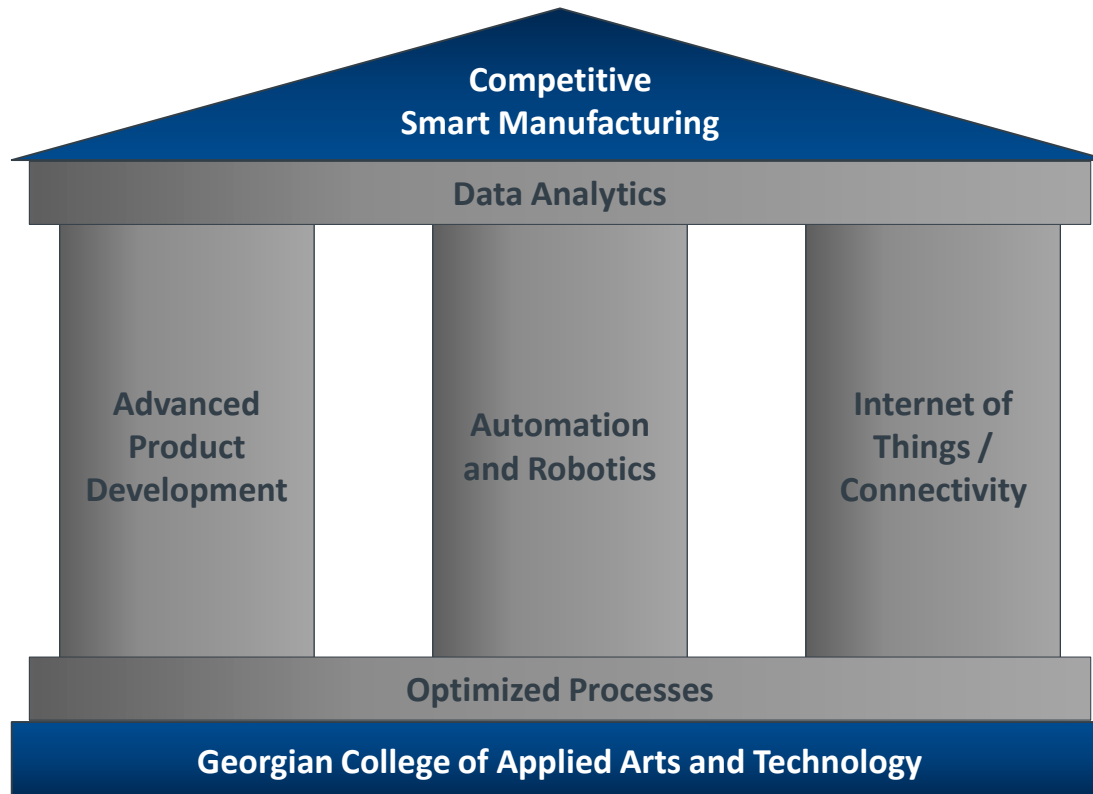
Georgian

**ACCELERATE
YOUR SUCCESS**

➤ GEORGIAN COLLEGE AND INDUSTRY PARTNERS WORK TOGETHER ON R&D PROJECTS



➤ COMPETITIVE SMART MANUFACTURING APPLIED R&D AT GEORGIAN COLLEGE



- **Interdisciplinary** approach that:
 - ✓ Starts with a strong foundation
 - ✓ Provides solutions that include technology, data collection, and analytics
- Potential for **increased efficiency, productivity, and quality**
- Bringing **Industry 4.0** to regional manufacturers
- Digital solutions that can lead to **AI applications**
- Solutions will increase **competitiveness and enable growth**
- **NSERC Build Innovation Enhancement grant provides \$2-million over five years**

➤ WE LOOK FORWARD TO WORKING WITH YOU



softserve



BUSCH SYSTEMS



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Lakehead's Strategic Research Priorities

Informatics,
New Materials
and
Technologies

Cultures,
Societies , and
Social Justice

First Nations,
Métis, and Inuit
Research

Health and
Well-Being

Sustainability,
Resources, and
the
Environment

Research and Innovation

Research Expertise

- Artificial Intelligence
- Machine Learning
- Computer Vision & Image Processing
- Natural Language Processing
- Wireless Communication
- Optimization
- Robotics and IoT
- Wireless Communication
- Health Informatics and Data Analytics



Fundings

- Natural Sciences and Engineering Research Council (NSERC)
- Social Sciences and Humanities Research Council (SSHRC)
- MITACS
- Northern Ontario Academic Medicine Association (NOAMA)
- Vector Institute
- US and Canada based Industry partners



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Customized Programs

- Industry-driven *training* solutions with flexible delivery options to meet your organization's needs regardless of your sector, size or budget.
- Focus on upskilling in-house talent to accommodate new and emerging technologies

Corporate Training Process

Consult and Collaborate: Initial and ongoing collaboration to understand goals, challenges and desired outcomes

Needs Analysis: In depth questionnaires to identify training requirements

Design Curriculum: Experienced faculty to customize content based on goals, resources and timelines.

Training Delivery: Training program delivered at a Georgian College campus or at customers site.

Evaluate and Follow-up: Programs are evaluated and results shared with client

Sample of customized Courses

- Industrial Automation
- Robotics
- Hydraulics / Pneumatics
- Machining /CNC
- AI / Data Analytics
- Computer Programming / Computer Networking



Georgian College Facilities

Robots

- Fanuc
- Universal Robots (UR)
- Kuka

Software

- Octopuz simulation software
- RoboGuide (Fanuc)
- Kuka SimPro
- PLC Logix 500 & 5000

Training Equipment

- Pneumate 200
- Fanuc Teach Pendants (for PC's)



Sample of available courses for Professional Development, *A la Carte*

- **Engineering:** AutoCAD, SolidWorks
- **Safety and Regulation:** Approved Working at Heights, Forklift Operator, Confined Spaces, Ozone Depletion Prevention Certification
- **Other:** Airbrake Z Endorsement



Additional Questions?

Contact Melissa Marshall

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Important links

GeorgianCollege.ca/coned

GeorgianCollege.ca/ceguide