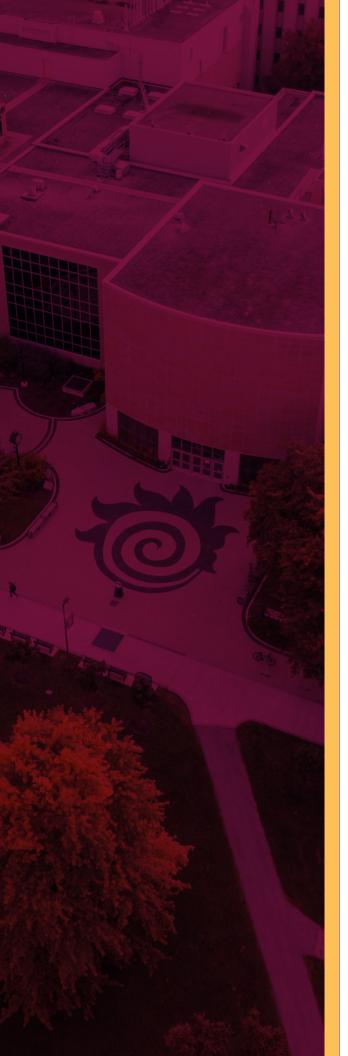


A FIVE-YEAR STRATEGIC PLAN: 2024-2029





## **Our Vision**

Leaders in advancing engineering for global change



# **Our Mission**

Empowering agile, dynamic, and globally-conscious engineers to collaborate and create a brighter future.

# Values



### Purpose-driven

We solve pressing issues through research and teaching, empowering future leaders with skills for meaningful careers. We think beyond conventional boundaries to drive influential advancements in engineering.

### **Respect and Belonging**

We find shared purpose by embracing unique perspectives and breaking barriers to address systemic inequalities in engineering. We build each other up in the spirit of collaboration and community.

### Reflective

We are committed to continuous improvement through reflection. Our self-awareness enhances collaboration and ensures alignment with individual and collective goals.

### Resilient

We know that even the best laid plans often require agility. As innovative risk-takers, we adapt to a changing world. We are undeterred by failure and committed to success.

### **Integrated and Relevant**

Working in interdisciplinary teams, we understand the big picture. We know that social, environmental, and economic factors must be considered alongside a lifecycle perspective that has sustainability and ethical engineering at its core.

### **Optimistic**

We effect change with curiosity, shared purpose, and hope. Our aspirations are inspired by the desire to engineer positive change in society and the world.



- Make continuous improvements to the undergraduate curriculum and experiences through pedagogical research and a focus on outcomes and industry alignment.
- Create a world-class graduate experience, from admissions to post-graduation, by providing comprehensive support services and resources for professional and academic growth.
- Foster the success, well-being, and advancement of all members of the engineering community through support, resources, and funding.
- Ensure career readiness through intentional and early engagement, purposeful reflection surrounding co-op and other experiential learning opportunities, as well as increased integration with industry and alumni.

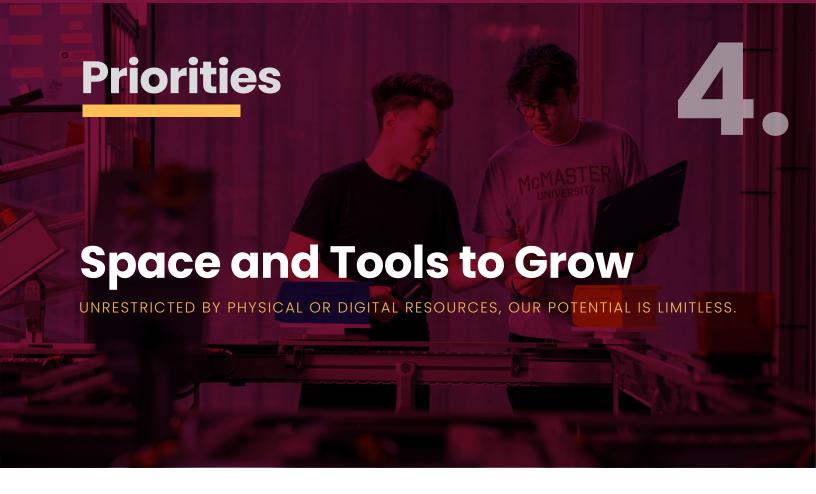
# Amplified Research Impact OUR INNOVATIVE SOLUTIONS, IDEAS, AND PRODUCTS EFFECT POSITIVE CHANGE.

- Drive impactful research and innovation to address UN Sustainable Development Goals, focusing on Bio-innovation, Energy and the Environment, Mobility, and Advanced Manufacturing, while staying nimble to adapt to changing priorities.
- 2b Be a leader in the digital revolution of engineering, with expertise in data analytics, AI, automation, smart systems, and sensor technologies, and the integration of these into all aspects of our lives.
- Develop a comprehensive support system that empowers faculty research by expanding resources to acquire and execute on funding, fostering industry partnerships through showcases, and facilitating the preparation of substantial grant applications.
- 2d Support start-ups led by students and faculty, enabling technology transfer and commercialization, while facilitating access to funding opportunities and resources for early-stage start-ups.
- 2e Enhance research capacity and alignment with local and national priorities by strategically increasing research funding and stakeholder partnerships.

# Extended Influence, Partnerships, and Reach

WE DELIBERATELY CULTIVATE MUTUALLY BENEFICIAL PARTNERSHIPS THAT STRENGTHEN OUR NETWORK.

- 3a Enhance the visibility and prominence of core research facilities to support cutting-edge research and facilitate interdisciplinary collaborations that attract industry partners.
- 3b Apply an equity lens in all aspects of decision-making, hiring, program development, and community initiatives to address systemic barriers, foster inclusivity, and elevate our performance.
- Create a tightly integrated partnership framework, ensuring seamless collaboration and coordination between co-op employers, alumni networks, community partners and research partners, and development offices.
- 3d Benchmark, incentivize, and expand global mobility opportunities for students and faculty.



- 4a Maximize on existing spaces and resources to accommodate our evolving needs while initiating design and construction on a new building.
- 4b Enhance and expand space for student experiential learning.
- 4c Optimize our physical office spaces and hybrid work models with the needs of our existing and future occupants.
- 4d Optimize resource sharing and invest in technology to elevate our administrative, teaching, and research operations.
- 4e Build systems that track and measure performance, enhance data acumen, deliver projects on time and within budget, and stay ahead of emerging trends.