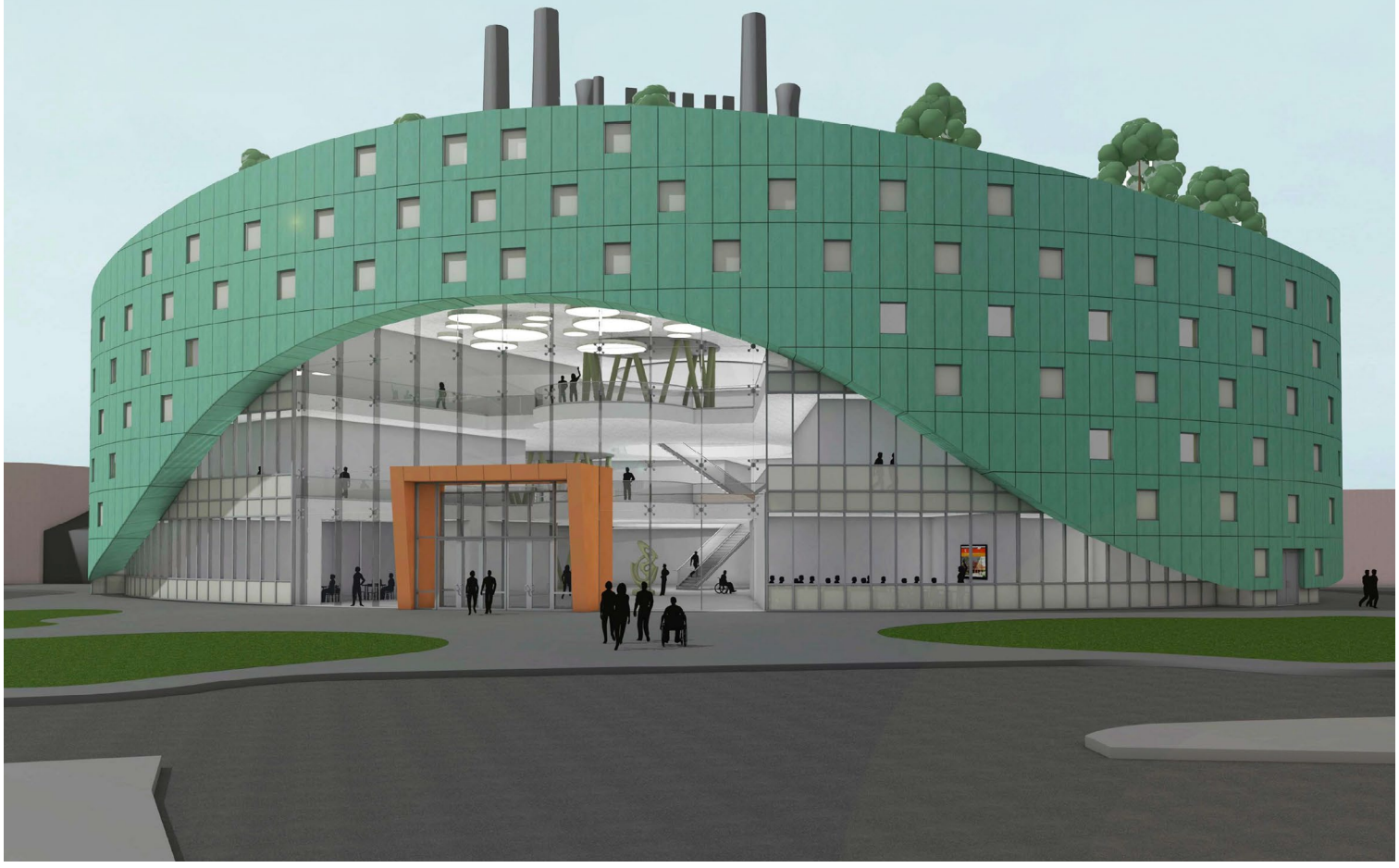
Cape Breton University

CENTRE for DISCOVERY and INNOVATION



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EXECUTIVE SUMMARY

The Centre for Discovery and Innovation (CDI) at Cape Breton University (CBU) will house state-of-the-art research, research training, and instructional facilities that propel scientific inquiry, advance discovery, and expedite local solutions for global problems.

Situated in the heart of Cape Breton University's campus, which serves a student population of more than 5,500 from more than 50 countries, the Centre for Discovery and Innovation will feature cutting-edge, modular design to facilitate interactive, experiential learning that synthesizes theory and practice. These design elements, which emphasize collaboration and cooperation, will enable the development of critically-thinking, scientifically-literate, culturally-aware, and globally-engaged citizens.

Cape Breton University is at a turning point. To ensure the sustainability of the institution, investment in infrastructure is critical. The construction of a new building will enable the institution to be competitive in domestic and international markets. Home to CBU's long-standing, highly recognized science, engineering and technology programs, the CDI will also support the growth of nursing, public health and emergency management programs. Innovative and inspiring instructional facilities are key to achieving our primary mandate and institutional mission of providing students with a high-quality, accessible education.

Cape Breton University's already strong program of scientific and health research will be thrust to the international stage via newly designed collaborative research and engagement spaces that promote interdisciplinary problem-solving. Existing expertise in health and wellness, as well as Indigenous rights and environmental justice, will be further advanced through the development of a community innovation hub, which will host research centres and institutes that engage with local communities, Indigenous partners, industries, and government agencies. This reconfigurable, technologically advanced space will be the epicentre for creative problem-solving by scientists, entrepreneurs, community members, and other stakeholders who gather to collaboratively ideate and innovate.

Specifically, the Centre for Discovery and Innovation will feature:

- a collaborative research laboratory to propel the application and commercialization of research in multidisciplinary fields;
- applied laboratories for public health, with scale and full-size models and the capacity for simulations and mock inspections and emergency response;
- a nursing simulation centre that enables the development of safe, competent client care via realistic case scenarios and collaboration with other health professionals;
- a learning studio that combines classroom and laboratory into one space for enhanced problem-solving and collaborative learning;
- cooperative rapid manufacturing and robotic laboratories and a makerspace to develop new products and innovative solutions; and
- a community innovation hub to enhance collaboration between researchers, communities, industries, and government agencies.

With contemporary, innovative infrastructure, Cape Breton University will be positioned to maximize the potential of Cape Breton Island and its most valuable resource – its people. The Centre for Discovery and Innovation will drive a more prosperous, sustainable, globally-oriented future for Cape Breton Island and Cape Breton University will take a lead role in ensuring the vitality of Cape Breton Island well into the future.

CAPE BRETON UNIVERSITY

Surrounded by pristine natural landscapes, vibrant cultures, and welcoming communities, Cape Breton University is home to more than 5,500 students from more than 50 countries around the world. Offering a comprehensive set of liberal arts, science, business, health, and professional programs, the university is deeply committed to the future of Cape Breton Island, economic development and sustainability, and Indigenous educational leadership. Cape Breton University champions high-quality, accessible education; innovative research; and a vibrant, multicultural future for the Island.

Following years of community activism in the second-largest urban area of the province, Cape Breton University emerged as an autonomous post-secondary institution in 1974, though its roots extend back to the former Xavier Junior College, established in Sydney in 1951. Coal miners, steel workers, and Mi'kmaw chiefs advocated for a new future for their children, spurring CBU's defining responsibilities to focus on local action: the institution would educate subsequent generations and support healthy development in the community. The university has remained committed to this core mandate while adapting to ever-changing circumstances and an increasingly international student population, as demonstrated by its newly articulated vision: Rooted in Cape Breton (Unama'ki), connected to the world.

In 2018, when the institution initiated an intensive and comprehensive strategic planning process, almost half of the more than forty consultation sessions consisted of community engagements across all four counties in Cape Breton. As the Island's university, the engagement of community leaders, local business owners, alumni, and the chiefs of Mi'kmaw communities in Unama'ki was critical for identifying the path forward for Cape Breton University. The resulting five-year plan set forth five strategic directions that would propel excellence in teaching, research, and service:

- invest in our students;
- champion the Island's prosperity;
- indigenize the L'nu way;
- globalize with a difference; and
- empower faculty and staff.

This new strategic plan, unlike those of most other academic institutions, makes a clear, strong, and realistic commitment to the Island's prosperity; however, investment in contemporary, innovative infrastructure is key to fully implement the strategies identified under each of these directions and fulfill the community development mandate of the university. The Centre for Discovery and Innovation responds to all five strategic priorities by establishing new, leading-edge facilities to:

- grow experiential learning and research opportunities;
- work collaboratively with Indigenous communities, governments, community groups, and businesses to advance mutual goals;
- create opportunities for recognizing truth and seeking reconciliation;
- expand opportunities for international research partnerships; and
- facilitate collaborations in teaching, research, and professional practice.

Furthermore, it supports both the institution's new Academic Plan: Transformation through Inquiry, which emphasizes experiential, collaborative learning and student research, and the new Strategic Research Plan, which prioritizes inspiring research infrastructure and increased innovation and commercialization of research.

The Centre for Discovery and Innovation at Cape Breton University, with facilities that propel scientific inquiry, advance discovery, and expedite local solutions for global problems, will position Cape Breton University to maximize the potential of Cape Breton Island and its most valuable resource – its people.

CAPE BRETON ISLAND

At the turn of the twentieth century, thousands of immigrants flooded into Cape Breton to build, work, and settle in what was then Canada's largest industrial complex east of Montreal. Sydney quickly became one of the most multicultural cities in the country. Its surrounding abundant natural resources were the foundation for coal mining and steel manufacturing industries that stoked much of Atlantic Canada's growth in the first half of the century. In fact, one-third of the steel required for the nation's effort during World War II was produced by a company in Cape Breton, bolstered by Sydney's strategically-advantageous shipping port.

A century later, Cape Breton is transitioning to a post-industrial economy. Its unparalleled landscapes and vibrant culture have solidified its status as the number one island destination in Canada, and eighth worldwide, and positioned tourism as a primary economic driver.[1] Despite the growth in this sector, the Island faces significant demographic and economic challenges. Cape Breton's population appears paradoxical; while the Mi'kmaw communities within it are young and growing, the overall population is aging and declining as a result of outmigration. Like many communities across Canada that are distant from centralized service hubs in metropolitan areas, the population faces poor health outcomes associated with socio-economic determinants, such as child poverty, unemployment, food insecurity, and education, as well as environmental challenges experienced by islands around the world, such as coastal erosion and declining fisheries.

With child poverty rates on the island ranging from a low of 17.2 per cent in Cheticamp to a staggering high of 73.2 per cent in the Mi'kmaw community of Eskasoni, and a rate of 34.9 per cent for Cape Breton county, within which Cape Breton University is located, the future may seem bleak.[2] The situation is compounded by a high unemployment rate, which was 16.7 per cent in the Cape Breton economic region compared to the provincial rate of 6.4 per cent and national rate of 5.5 per cent in February 2020 – prior to the impact of the COVID-19 crisis.[3] The gravity of the situation is now magnified by struggling small businesses and a collapsing tourism industry, which had been the backbone of the new economy.

Despite these statistics, there is reason for hope. It is widely recognized that the path out of poverty and toward meaningful employment, healthy communities, and strong economies is via education and innovation.

1 https://www.capebretonpost.com/business/local-business/cape-breton-island-rated-no-1-in-canada-eighth-worldwide-332207/, accessed May 12, 2020
2 https://www.policyalternatives.ca/publications/reports/2019-report-card-child-and-family-poverty-nova-scotia, accessed May 6, 2020
3 https://www.novascotia.ca/finance/statistics/topic_news.asp?id=14629, accessed May 6, 2020

As a primarily undergraduate institution, Cape Breton University prides itself on the delivery of high-quality, accessible education that integrates experiential learning and place-based research to develop community-minded, critically-thinking, and globally-engaged graduates that can compete on the national and international stage. Cape Breton University's ongoing advancement of student-centred pedagogical approaches, investment in spaces and technologies to support active learning, and recruitment of highly qualified faculty demonstrates its commitment to educational innovation and excellence on Cape Breton Island.

Cape Breton University also champions community-based, applied research that benefits the island. It is currently partnered with provincial agencies and international partners to improve health outcomes while reducing health care costs, via medical software design and leading-edge virtual care; local communities to conduct research that has the potential to establish new industries, such as oyster aquaculture; and local businesses to adopt more sustainable practices, by converting shellfish waste to natural fertilizer and biochar for waste water remediation. The institution has significant expertise across disciplines in science, engineering, nursing, public health, and community economic development – capacity that could be mobilized further as an economic driver for the region, while also developing innovative solutions with global applications. Such increased activity on the innovation front would benefit not only the local community, but also Nova Scotia and Canada. A recent innovation report card published by the Conference Board of Canada assigned a grade of D- to Nova Scotia and ranked Canada 12th among 16 peer countries, with a grade of C.[4] Cape Breton University is ready to take its world-class research to the international stage and strengthen the nation's innovation record.

Finally, Cape Breton University's international recruitment may provide a solution to Cape Breton's declining population. Over the past three years, CBU has seen its student population grow from approximately 3,500 to more than 5,500. This recent unprecedented growth has shifted the student demographic: international students from more than fifty countries now represent sixty per cent of the student population. The OneNS Commission[5] identified immigration as a "game changer" for the economic and population strategy of the province, and the increasing international enrolment at Cape Breton University has the potential to stabilize and reverse population trends of the past decades. Indeed, significant numbers of international students who graduated from CBU have gone on to become permanent residents and new citizens across Canada.

4 https://www.conferenceboard.ca/hcp/provincial/innovation.aspx, accessed May 7, 2020
5 https://onens.ca/img/now-or-never.pdf, accessed May 11, 2020

Cape Breton University is committed to advocating for pathways and supports to facilitate immigration for international students and to working with the communities across Cape Breton to ensure international graduates see viable options in rural and urban areas.

With highly qualified faculty committed to teaching excellence, researchers whose innovative applied projects can be scaled up to maximize impact and reverse economic decline in Cape Breton, and an eager pool of skilled international students who could make Cape Breton Island their future home, Cape Breton University has the human capacity to further foster an entrepreneurial mindset and propel innovation on the island. Its potential to bring transformative change has not yet been realized, held back by aging infrastructure and limited space for expansion. A world-class facility, the Centre for Discovery and Innovation will drive a more prosperous, sustainable, globally-oriented future for Cape Breton Island and Cape Breton University will take a lead role in ensuring the vitality of Cape Breton Island well into the future.

CENTRE for **DISCOVERY** and **INNOVATION**

Situated in the heart of Cape Breton University's campus, the Centre for Discovery and Innovation will feature cutting-edge, modular design to facilitate interactive, experiential learning that synthesizes theory and practice. These design elements, which emphasize collaboration and cooperation, will enable the development of critically-thinking, scientifically-literate, culturally-aware, and globally-engaged citizens.

This 80,000-square-foot, net zero energy building will house state-of-the-art research, research training, and instructional facilities that propel scientific inquiry, advance discovery, and expedite local solutions for global problems. Now more than ever, exceptional training in the areas of public health, nursing, and emergency management is critical to address local, national, and international needs, and to enable graduates to thrive in complex work environments. This new facility will support the expansion of the nursing program, the diversification of public health programming, and the on-campus delivery of the emergency management program at Cape Breton University.

Collaborative research and engagement spaces featuring design best practices will promote interdisciplinary problem-solving and thrust local research to the international stage. The community innovation hub in particular will host research centres and institutes, which work with local communities, Indigenous partners, industries, and government agencies. This hub will be the epicentre for creative problem-solving by scientists, entrepreneurs, and other stakeholders who gather to collaboratively ideate and innovate.

Specifically, the Centre for Discovery and Innovation will feature:

- a collaborative research laboratory;
- applied learning laboratories for public health;
- a nursing simulation centre;
- a learning studio;
- cooperative rapid manufacturing and robotic laboratories and a makerspace;
- a community innovation hub; and
- The Marshall Institute.

With contemporary, innovative infrastructure, Cape Breton University will maximize the impact of its already strong program of community-engaged research, expand the number and scale of its industry partnerships, and transform Cape Breton Island through exceptional, experiential education and innovative research commercialization.

COLLABORATIVE RESEARCH LABORATORY

Across the country and around the world, universities are breaking down disciplinary boundaries and implementing new models for intentionally collaborative and interdisciplinary research. This movement recognizes the need for diverse perspectives and multifaceted problem-solving skills to address the complex challenges of the twenty-first century, including climate change, environmental remediation, food security, and resource sustainability. The Collaborative Research Laboratory will thrust Cape Breton University's innovative research to the international stage.

The Collaborative Research Laboratory is a multidisciplinary research space, which employs flexible, modular design and is furnished with state-of-the-art equipment. The laboratory will facilitate interdisciplinary problem-solving and bolster pure and applied research. The modular design will enable reconfiguration of the space as required, both in response to the ebb and flow of research programs and calls for rapid response to urgent global challenges. The enhanced collaboration enabled by this space will strengthen existing academic-industrial collaborations and propel new commercialization of research on a national level. The Collaborative Research Laboratory will attract exceptional students, researchers, and faculty to Cape Breton University, solidifying the institution's reputation in an increasingly competitive global context.

Key features:

- "Collision" space to enhance collaboration across disciplines and develop innovative solutions to problems
- Modular design to maximize flexibility of space, thereby stimulating collaborative projects, accommodating fluctuations in research capacity, and enhancing readiness for rapid response to urgent challenges
- Infrastructure to support innovative, nationally-funded, collaborative academic-industrial research

LEARNING STUDIO

The days of students memorizing and regurgitating information have passed: experimentation and research have replaced more traditional instructional approaches to develop hands-on skills and foster a culture of inquiry. World-class institutions are establishing learning studios in new science facilities to engage students in powerful learning experiences, which emphasize active, collaborative learning and cooperative problem-solving. As student-centred learning environments, learning studios break down the barrier between theory and practice, enhancing knowledge synthesis and learning outcomes. Studies of their efficacy in first-year courses demonstrate increased conceptual understanding, higher class attendance rates, significantly higher success rates, and improved performance in subsequent courses, all of which improve the persistence and completion rates of students in science, technology, engineering, and math (STEM).[8] Cape Breton University's Learning Studio will be among the most advanced classrooms in the world.

The Learning Studio is a hybrid classroom and laboratory space, with integrated media and information technology that enables authentic learning in an accessible environment. The space is complemented by a pedagogical approach that emphasizes small-group investigation of "tangibles" (measurements and observations) and "ponderables" (complex problems) guided by an instructor. Starting immediately at the introductory level, students are immersed in skills-based learning, establishing a strong foundation for success in STEM. Cape Breton University's Learning Studio will attract exceptional learners and instructors, thereby propelling Cape Breton University to the forefront of STEM education and enhancing its reputation on the national stage.

Key features:

- Large, round tables that facilitate cooperative, active learning in small group settings, with the instructor's station moved from the front to the centre of the room to enable interaction
- Computers at every table, and video cameras and microphones throughout the space, with projection capability to share results and findings
- Telepresence capabilities via cameras and microphones, enabling innovative hybrid, online, or distributed course delivery

8 https://www.per-central.org/document/ServeFile.cfm?ID=4517&DocID=183&Attachment=1, accessed May 8, 2020

COOPERATIVE RAPID MANUFACTURING AND ROBOTIC LABORATORIES

For more than 50 years, Cape Breton University has trained industry-ready engineers who pursued successful careers on Cape Breton Island, across Canada, and around the world. In the past decade, CBU's engineering and technology programs with specializations in areas such as petroleum, electronics and control, and manufacturing, have attracted interest from the growing international student population seeking quality, hands-on educational experiences. Over the past three years, the number of students in the Bachelor of Engineering Technology program has tripled. As we witness unprecedented integration of artificial intelligence into daily life and the world stands on the precipice of a rapid manufacturing revolution, these programs will experience continual growth. The new Cooperative Rapid Manufacturing and Robotic Laboratories are key to training the next generation of engineers and technologists for existing and emerging opportunities.

The Cooperative Rapid Manufacturing and Robotic Laboratories will house a series of cutting-edge work stations outfitted with rapid manufacturing technology. In these spaces, interdisciplinary, collaborative approaches will drive innovative solutions via desktop modelling, prototyping, and manufacturing. This series of new laboratories, combined with a makerspace, will advance hands-on, experiential learning and support the development of new products, innovative solutions, and local businesses with global reach. It will also enhance the learning experience of students in diverse disciplines across campus, such as geology, anthropology, and history, while developing digital skills required to excel in today's workforce (for example, through production of 3D topographic models or replicas of historic artifacts). Importantly, the Cooperative Rapid Manufacturing and Robotic Laboratories will enable industry collaboration with local manufacturing and technology firms, which are changing the economic landscape of Cape Breton, and support research commercialization.

Key features:

- Manufacturing labs with 3D printers and laser cutters/engravers
- Robotics lab with laser cutters and soldering equipment
- Makerspace with full complement of equipment, such as high end 3D printer, laser cutter, and CNC milling machine, accessible to all students, faculty, and staff campus-wide

PUBLIC HEALTH APPLIED LABORATORIES

As the impacts of climate change and industrialization are realized around the world, the environmental health branch of public health is increasingly critical for safe and healthy communities. Encompassing a diverse array of concerns – from waste disposal and water quality to occupational safety and communicable disease control – environmental health programs and policy are foundational for the quality of life in any country. Cape Breton University's public health program is one of only six environmental health programs in Canada – and the only one east of Ontario – that is accredited by the Canadian Institute of Public Health Inspectors (CIPHI). With new Public Health Applied Laboratories, the university will be positioned to diversify its public health programming and address the need for highly trained public health professionals who are ready to respond to emerging public health threats.

The Public Health Applied Laboratories are enhanced training spaces for interactive simulations that are powered by virtual reality and mock inspections that are enabled by flexible space. Via hands-on activities, students will develop practical experience with various systems (such as wells and swimming pools) and methodologies (such as communicable disease control). The Public Health Applied Laboratories will solidify Cape Breton University's reputation as a national leader in environmental health training, while also providing space to expand and enhance its emergency management program.

Key features:

- Technology to support judgement training software and inspection simulations, through which theoretical knowledge is applied to a variety of realistic settings and scenarios
- Experimentation space to enable student-centred, active learning
- Scale models of systems (such as waste disposal) and full-size components (such as drinking water wells) for hands-on training

NURSING SIMULATION CENTRE

Across Canada and around the world, the demand for registered nurses continues to grow. It is anticipated that the shortage in OECD countries will grow to 2.5 million[6] by 2030, while here in Canada, the projected shortage during the 2019-2028 period is approximately 36,500.[7] With aging populations, increased chronic disease, and unprecedented health crises, now more than ever exceptional training is essential to address the growing need. The Nursing Simulation Centre will support the expansion of the nursing program at CBU, which will almost double in size in 2020 and endeavour to diversify the labour force, with seats reserved for Indigenous and African Nova Scotian students.

The Nursing Simulation Centre is a dedicated, advanced experiential learning space that enables the development of safe, competent client care through realistic case scenarios and promotes collaboration with other health professionals. In keeping with the movement toward decolonized nursing practice, diversity and inclusivity will be incorporated into simulations to ensure that students enhance not only clinical skills, but also cultural-responsiveness for diverse client care. This centre will enable students to develop self-efficacy, ensuring they graduate not only with the competencies required for their profession, but also the confidence to execute them, even under stressful circumstances. The Nursing Simulation Centre will also provide a space for collaborative, extended learning opportunities with local and regional professional communities of practice.

Key features:

- Multiple patient care rooms that simulate a variety of settings, including acute care, long-term care, clinic, and home care
- Technology to support medium- and high-fidelity simulators and to record sessions for multiple perspective assessment (self, peer, and instructor)
- Diverse scenarios, such as child birth, pediatric emergency, palliative care, mental health assessment, and infectious disease (pandemic) protocols

6 https://www.mcgill.ca/nursing/files/nursing/nurse_shortages.pdf, accessed May 5, 2020
7 http://occupations.esdc.gc.ca/sppc-cops/.4cc.5p.1t.3onsummaryd.2tail@-eng.jsp?tid=103, accessed May 5, 2020

COMMUNITY INNOVATION HUB

In the past two decades, research at publically-funded institutions has increasingly taken an applied approach, aiming to solve real-world problems and meet the needs of specific communities or stakeholders. Research is now recognized as an economic driver and research commercialization strategies have become a vital component of most universities' strategic research plans. To enable success in this regard, world-class universities have implemented innovation and entrepreneurship accelerators, as well as community outreach centres, to maximize the impact of research funding. The Community Innovation Hub will connect the new learning studio, rapid manufacturing laboratories and makerspace, and collaborative research laboratory to amplify the transformative potential of interdisciplinary, cooperative, community-engaged research.

The Community Innovation Hub will provide open-concept, multipurpose, reconfigurable space that facilitates community-based collaboration, public outreach, and industry partnerships. A two-eyed seeing perspective, which draws wisdom from the local Mi'kmaw community, will be embedded in the space to promote the cross-pollination of distinct knowledge systems. As the Island's university, CBU has a special responsibility to meet the needs of the diverse populations on the island, especially in terms of education. This space will facilitate hosting school-age children on campus for NSERC-funded STEM initiatives, such as Island WISE and Let's Talk Science, thereby fostering a passion for discovery and learning, and encouraging their transition into university after graduation. As well, it will enable extended learning opportunities for teachers and other professionals on the island. The space will also respond to Cape Breton University's Strategic Research Plan, 2020-2025, which identifies as a priority the building of "inspiring research infrastructure." This hub will provide much-needed collaborative space for various research centres and institutes on campus, such as the The Marshall Institute and the Centre for Health, Wellness & Extended Learning, which partner with local societies and associations, the five Mi'kmaw communities on the island, industries, and government agencies. The Community Innovation Hub will be the epicentre for local solutions to global problems put forth by scientists, inventors, entrepreneurs, investors, and other stakeholders who gather in this space to collaboratively ideate and innovate.

Key features:

- open-concept, multipurpose, reconfigurable space
- embedded two-eyed seeing perspective, ensuring the cross-pollination of knowledge systems
- programming to develop an entrepreneurial mindset and collaboratively ideate innovative solutions to real-world problems

THE MARSHALL INSTITUTE

Cape Breton University has collaborated with local Mi'kmaw communities on culturally-responsive education for more than 40 years, innovating its program delivery via in-community courses, instituting Unama'ki College as an Indigenous student support centre, and establishing Mi'kmaq Studies as an academic discipline. More recently, Mi'kmaw science programming based on the two-eyed seeing perspective and Indigenous business programming have been implemented. As a result of all of these initiatives, more Mi'kmaw students have graduated from CBU than any other university in Canada.

Within the Calls-to-Action of the Truth and Reconciliation Commission of Canada (2015) was a recognition that access to justice and equity for Aboriginal peoples under the Canadian legal system has been limited or non-existent. Thus, the commission called on the federal government to "fund the establishment of Indigenous law institutes for the development, use, and understanding of Indigenous laws and access to justice in accordance with the unique cultures of Aboriginal peoples in Canada."[9] Recognizing its strength as a leader in Indigenous post-secondary education, Cape Breton University is positioned to advance understandings of Aboriginal and treaty rights, Indigenous legal systems, and environmental justice and climate change through the establishment of the The Marshall Institute.

The Marshall Institute will collaborate with L'nu Elders, knowledge keepers, educators, and political leaders to engage in research pertaining to Indigenous rights and justice. In particular, it will focus its work around environmental justice and Indigenous approaches to climate change, advancing solutions to the significant environmental challenges faced by all communities in Canada and around the world. The results of this work will be disseminated in the form of policy advocacy and social action, as well as academic publications and educational resources. As the first institute of its type in eastern Canada, it will fill a geographic gap in the landscape of justice nationally and advance nuanced understandings of the ongoing relevance of historic Treaties of Peace and Friendship. In partnership with similar organizations in western Canada, the The Marshall Institute will serve as a conduit through which schools, universities, lawyers, organizations, and departments at every level of government collaborate to educate all Canadians on Indigenous law, Aboriginal rights, treaty rights, and environmental justice and climate change.

9 http://trc.ca/assets/pdf/Calls_to_Action_English2.pdf, accessed May 6, 2020

The Donald Marshall Jr. Exhibition will honour the contributions of a prominent Mi'kmaw, whose perseverance established him as a central figure in Canadian legal history. Donald Marshall Jr. (1953-2009) of Membertou, Nova Scotia was wrongfully convicted of murder in 1971 and sentenced to life imprisonment. After serving eleven years in prison, he was acquitted by the Nova Scotia Court of Appeal. A Royal Commission into his prosecution revealed the role that racism and police incompetence played in his arrest and wrongful conviction. The criminal justice system of Nova Scotia was "fundamentally changed" as a result of the 82 recommendations emerging from the commission, and the case resulted in changes to disclosure that impact all Canadians via the Canada Evidence Act. In 1993, Marshall was convicted on charges of fishing out of season and without a license. With the support of the Mi'kmaq Nation, he appealed the conviction, which resulted in a Supreme Court of Canada decision upholding the fishing and hunting rights of Mi'kmaq outlined in the 1760 Treaty of Peace and Friendship. This decision and the subsequent Marshall Response Initiative led to the development of a commercial Mi'kmaw fishery.

Cape Breton University will work in close collaboration with the Marshall family and Mi'kmaw community partners to identify a culturally-appropriate model for honouring Donald Marshall Jr. The exhibition will incorporate the extensive Marshall-related holdings at Cape Breton University, such as the complete transcripts of the trial currently housed in the Beaton Institute. The story of Donald Marshall Jr.'s quest for justice will inspire and motivate all who engage with the The Marshall Institute to advance knowledge of Indigenous law, environmental justice, and Aboriginal and treaty rights.

CONCLUSION

The primary mandate of any university is unquestionably to deliver an excellent education. Cape Breton University's academic tradition, however, has always been shaped by its responsibility to engage in research and pursue service that helps change the social and economic circumstances of Cape Breton Island for the better.

Cape Breton Island faces similar social, economic, and environmental challenges as many other rural communities across Canada and around the world, but possesses the entrepreneurial attitude and the human capacity to identify unique and replicable solutions. The Centre for Discovery and Innovation presents an opportunity to turn the tides through investment in contemporary infrastructure that drives innovation and exceptional experiential learning.

A world-class facility, the Centre for Discovery and Innovation will advance a more prosperous, sustainable, globally-oriented future for Cape Breton Island and Cape Breton University will take a lead role in ensuring the vitality of Cape Breton Island well into the future.

AT CBU WE PUSH THE BOUNDARIES OF INNOVATION AND LEADERSHIP –

JOIN US.

Cape Breton University