

**Canadian Alliance for Skills and Training in Life Sciences (CASTL): A New Model for Work
Integrated Learning – Phase II**

Workplan

Newskilling		
Key Activities	Expected Outcomes	Anticipated Time for Implementation
Continue working with academic institutions in Atlantic region (Acadia University, University of Prince Edward Island and Université de Moncton) to develop and implement specialized CASTL programming with a focus on Work Integrated Learning (WIL)	Implementation of specialized programming that provides post-secondary students with the theoretical knowledge, technical skills, and professional competencies for successful entry in the bio-industry throughout the region	January 2022 - June 2023: University of Prince Edward – Minor in Biotechnology September 2022 - Acadia University – Core CASTL Program” curriculum with required courses including WIL components September 2022: Université de Moncton – Development of specialized CASTL program stream
Continue to offer CASTL Student Financial Awards	Student awards encourage and support learning in bioscience and increased participation in WIL experiences within bioindustry	Fall 2022 – 2023: Financial award program offered and reviewed on an annual basis for duration of project cycle
Expand CASTL programming across Canada by establishing partnerships with post-secondary institutions to facilitate the development of academic programming related to biopharmaceutical manufacturing in key geographic areas of industry activity (University of British Columbia, University of Alberta, University of Toronto, McMaster University, Université de Sherbrooke)	Build skills development and training capacity for the national biopharmaceutical manufacturing sector supported by leading-edge, first-in-class industry-informed curricula developed by NIBRT and delivered by CASTL for Canadian industry	April 1, 2022 – September 30, 2023
Build on the success of CASTL’s K-12 programming within provincial K-12 school systems and communities across the country through a partnership with a national STEM network for youth such as Actua Canada	The development and implementation of engaging and interactive bioscience themed resources for K-12 students as well as the development and delivery of CASTL Kid Bioscience Summer Camps across the country	April 1, 2022 – August 2023
Reskilling		
Implement a 12-week CASTL Reskilling Program across the country in key geographic hubs of bio-manufacturing activity across the country including British Columbia, Ontario, Quebec, and the Atlantic region	Develop a national pipeline to talent to meet increased demand for frontline workers to keep pace with the rapid growth of the biopharmaceutical manufacturing sector in Canada	April 1, 2022 – August 2023
Upskilling		

<p>Under the guidance of the Director of Technical Training, develop, expand, implement skills development and hands-on training programs for the biopharmaceutical manufacturing sector (e.g., Sanofi-Pasteur, VIDO, SmokePond, Cytiva, Medicago, BioVectra, etc.) using NIBRT curricula delivered by CASTL both in person and online via the CASTL Online Academy.</p>	<p>Increase skills development and hands-on training opportunities to meet the urgent demands of industry for skilled talent at all organizational levels within the biopharmaceutical manufacturing sector in Canada</p>	<p>April 1, 2022 – August 2023</p>
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