

AI Fundamentals for the Bio-economy

Practical training for workforce transformation

Overview

AI is reshaping how Canada's bio-economy works. From accelerating drug discovery and optimizing manufacturing to reshaping research methodologies and regulatory compliance, organizations that don't prepare their teams for AI integration risk falling behind competitors who do. BioTalent Canada, in partnership with Propero Learning Systems, has developed AI Fundamentals for the Bio-economy, a cutting-edge AI literacy and foundations course specifically designed for the bio-economy. This program goes beyond generic AI training to address the unique realities, applications, and challenges facing bioscience organizations worldwide.

What makes this course different

Built for Canada's bio-economy

Generic AI training doesn't work in regulated environments. In addition to general use cases, this course uses sector specific examples from bio-health, bio-industrial, agri-bio and bio-energy to show where AI is relevant and where human oversight remains essential.

Evolves with technology

Built on Propero's competency-based learning framework, the course continuously adapts as AI capabilities and industry best practices advance, ensuring your training investment remains relevant and valuable.

Collaborative expertise

Developed through a partnership between BioTalent Canada and Propero, this bio-economy specific course leverages BioTalent Canada's deep sector knowledge and Propero's proven track record of creating customized course content.

Practical skills you can use right away

This training walks you through real workflows like document creation, idea generation, data analytics, research synthesis and administrative tasks, the areas where AI delivers the greatest ROI for your daily operations.



Who should engage

Bio-economy organizations

Companies, associations and institutions seeking to build AI literacy across their workforce, from entry-level staff to senior leadership.

Industry associations & workforce development councils

Organizations looking to license or co-deliver AI training programs tailored to their regional or sectoral needs.

Research institutions & academic partners

Universities and research centers preparing the next generation of bioscience professionals for AI-integrated workplaces.

Government & economic development agencies

Policy and funding bodies supporting workforce readiness and competitive advantage in the global bio-economy.

You will learn how to:

- Use AI responsibly without risking IP or confidential information
- Summarize long documents, research papers and compliance materials
- Draft reports, job postings, SOPs, proposals and emails
- Identify workflow improvements and automate repetitive tasks
- Evaluate AI outputs for accuracy, bias and appropriate use
- Apply sector specific examples from your field

Next steps

Ready to future-proof your bio-economy workforce?

Whether you're interested in enrolling your team, exploring partnership opportunities, or co-delivering this course within your jurisdiction, we invite you to connect with us.

BioTalent Canada

Email: info@biotalent.ca

Website: www.biotalent.ca

Propero Learning Systems

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biotalent.ca/AICourse



About BioTalent Canada

BioTalent Canada supports the people behind life-changing science. Trusted as the go-to source for labour market intelligence, BioTalent Canada guides bio-economy contributors with evidence-based data and industry-driven standards. As Canada's workforce development council for the bio-economy, BioTalent Canada is focused on igniting the industry's brainpower, bridging the gap between job-ready talent and employers, and ensuring the long-term agility, resilience, and sustainability of one of Canada's most vital sectors.



About Propero Learning Systems

Based in British Columbia, Canada, Propero Learning Systems is a management consulting firm specializing in accelerating skills development through customized, competency-based training programs and micro-credentials. Propero addresses critical skills gaps by aligning learner competencies with employer needs through strategic partnerships with industry associations, economic development agencies, and higher education institutions. With a proven track record across 25+ industries and impact on 80,000+ learners, Propero creates innovative solutions that prepare the workforce for rapid change.