



**Future
Skills**
Centre

Centre des
Compétences
futures

Home |
Innovation
Projects | Project

Canadian Alliance for Skills and Training in Life Sciences (CASTL)

Partners

PEI BioAlliance

1,016 students and workers in
the health and biosciences
sector

Locations

[New Brunswick](#), [Nova Scotia](#), [Prince Edward Island](#)

Additional Partners

Academic Partners: University of PEI, Acadia University, Université de Moncton, Holland College, Collège Communautaire du Nouveau-Brunswick (CCNB), Nova Scotia Community College, BioVectra Inc., BioTalent Canada, Government of PEI, Government of Canada – Atlantic Canada Opportunities Agency, National Research Council, BIOTECanada, BioNB, BioNova

Topics

Pathways to Jobs
Sectors
SME Adaptability

Related Tags

[collaboration](#), [health](#),
[labour market and skills
information](#),
[mid-career](#),
[mid-career workers](#),
[post-secondary
education](#),
[reskilling](#), [skills gap](#),

**By
2025,
Canada
will
double
the
size
of
the
health
and
biosciences
sector
and
become
a
top-
three
global
hub.
But
without
skilled,
well-
trained
workers,
Canada
will
not
realize
the
economic
benefits
of
the
burgeoning
biosciences
sector.**

upskilling,
work-integrated learning

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Future Skills Centre is investing \$1.52 million in the Canadian Alliance for Skills and Training in Life Sciences (CASTL), a remarkable collaboration between industry, universities, and colleges in Atlantic Canada. It offers multiple, industry-focused, and applied learning streams to acquire the academic knowledge, technical skills, and professional competencies to be ready for a career in biosciences.

CASTL's programs include disruptive learning technologies, embedded professional skills, and multiple work placements.

The programs include multiple entry levels (e.g. diploma, professional accreditation programs, degree, and high school graduates) and the option to specialize in natural product chemistry, bioprocessing, analytics, diagnostics, animal and aquatic health, disease management, and ecosystem health.

At
capacity
each
year,
614
individuals
will
be
enrolled
across
all
years,
122
will
graduate,
and a
further
250
will
receive
workforce
upskilling.

Uniquely,
100
bioscience
companies,
three
universities,
and
three
colleges
will
work
closely
to
deliver
bioscience
tailored
solutions
to:

- develop
work-
ready,
highly-
skilled
and
qualified
persons;
- build
academic
skills
and
understanding;
- impart
technical
and
skills;
- mentor
work
practices
to
increase
the
capacity
to
evaluate,
critique,
and

- create;
and
train
to
consistent,
validated,
and
certified
standards.

Support
from
Future
Skills
Centre
will
help
strengthen
this
initiative
with a
focus
on
building
feedback
and
two-
way
communication
between
work
placements
and
educational
institutions.

Evaluation Strategy

This project will be evaluated using tools and approaches aligned with its goals, context, and stage of development. The evaluation will focus on generating the right evidence at the right moment to move the intervention forward. [Read more about our evaluation strategy.](#)



The Future Skills Centre acknowledges that the Anishinaabe, Mississaugas and Haudenosaunee share a special relationship to the 'Dish With One Spoon Territory,' where our office is located, bound to share and protect the land. As a pan-Canadian initiative, FSC operates on the traditional territory of many Indigenous nations across Turtle Island, the name given to the North American continent by some Indigenous peoples. We are grateful for the opportunity to work in this territory and commit ourselves to learning about our shared history and doing our part towards reconciliation.

