

Alberta Innovates Graduate Student Scholarship APPLICATION INSTRUCTIONS

The Alberta Innovate Graduate Student Scholarship program (GSS) is designed to enable promising students to succeed in emerging Technology Areas of scientific research which are strategically important to Alberta. These areas are **Information and Communications Technology (ICT)** and **Advanced Materials and Manufacturing Technologies (AMM)** in and of themselves or which additionally support the innovation priority areas of environment, energy, agriculture, manufacturing, and health.

Your research must fall within the descriptions of Information Communications Technology (ICT) or Advanced Materials and Manufacturing Technologies (AMM).

To complete this form, you will need Acrobat Reader. If you do not have this software, it is available FREE from [Adobe](#). Please ensure to **download the application first and save it in your desktop before filling it out**.

Application Instructions:

Written sections of this application **must** follow the presentation standards:

- Times New Roman 12-point font, single-spaced (regular, minimum 12-pt.)
- Condensed type is not acceptable
- Applications that do not meet presentation standards may be at a disadvantage. Please remember that adjudicators are reviewing many applications, thus, consideration to font size, font type, etc. is very important.
- Do not exceed the maximum number of pages permitted in each section, as indicated below. **Excess pages will not be reviewed.**

PART 1: Outline of Research/Bibliography/citations

A. Outline of Research Proposal (maximum of one page)

- Research proposals should demonstrate evidence of solid and wide knowledge of the discipline and **must be written by the student, not the supervisor**.
- The most effective proposals are coherent, concise, and demonstrate a clear, focused approach. Write in plain language.
- When describing your methodology, avoid jargon and overly technical language. Having someone from outside your field proofread your application is a good way to identify this issue. Proposals should be clear not only to people within the field, but also to a very general audience.
- Your statement should describe your general area of research or study and explain how it fits within a broader context.
- Clearly indicate what you hope to accomplish during the period of the award and how you plan to accomplish it
- Be sure to explain how your graduate research will advance theory or make an original contribution to knowledge in your field

B. Bibliography/citations (maximum of one page)

- This page is strictly for the bibliography/citations; no other information will be considered.

PART 2: Alberta Innovates Research Alignment (only use the space provided)

- Your research project must fall within the descriptions of information and communications technologies (ICT) and advanced materials and manufacturing technologies (AMM) in and of themselves and which additionally support one, or more, of the following eligible [Emerging Technology areas](#).
- If the research project involves developing or advancing an emerging technology (ET) listed [here](#), it is considered development (eligible). The primary objective must be the advancement of the ET itself, rather than improvements in other products. Conversely, if the project involves developing a technology that is not an ET but utilizes ET as a tool, it would be categorized as the use of ET (ineligible), rather than ET development.
- Your application should directly address a specific area in the AB Innovates emerging technology priority areas (e.g. development of a novel technology or a novel application). An example of what would not be aligned is out of the box IT or social media solutions.
- Clearly articulate in the application how the results of the research can produce potential environmental, health, economic, social and other impacts for Alberta. Address the potential for how your technology/proposed solution is to be adopted in Alberta and beyond.
- Are you currently involved with industry? If not, clearly articulate how you will engage with industry during your graduate studies. For example, students may engage with industry member(s) through informal or formal consultation, feedback gathering, informal and formal mentorships with industry professionals/entrepreneurs, discussing pain points with industry, testing, proof of concept demonstration, industry-academic workshops, research partnerships, career fairs, conferences, etc.
 - o Professional skills developed can include leadership, communication, collaboration and entrepreneurship.
 - o Involvement of industry
 - o Industry partnerships
 - o Likelihood of work being published, IP produced, commercialization
 - o Working on a project that is directly for an industry client?

For detail information and guidance, please refer to the following resources:

[AB Innovates Business Plan](#)

[Graduate Student Scholarship Guidelines and Handbook](#)

PART 3: Refereed Contributions, Commissioned, Juried and/or Invited Exhibitions (maximum of two pages)

- Number each item that you list
- Do not submit your publications
- List books, book chapters, and articles appearing in refereed publications or conference proceedings first, beginning with the most recent
- List publications of which you are the author or co-author, and which are published, in press, and/or accepted for publication in refereed journals
- Begin each entry on a new line and provide complete bibliographic notices (including co-authors, title, publisher, journal, volume, date of publication, number of pages, etc.) as they appear in the original publication. Specify your role in co-authored publications. Forthcoming publications should be listed only if they have been formally accepted for publication (indicate date of acceptance by the editor)
- Group your entries together, i.e. publications, then conference presentations, then invited talks, etc.
- Asterisk (*) each entry that has been generated while registered in your graduate program at Concordia University of Edmonton
- If this section (Part 3) is not applicable to you, i.e. you have no refereed publications or commissioned/juried/invited exhibitions, **please be sure to indicate N/A or Not Applicable on the page provided**

PART 4: Non-refereed Contributions (maximum of two pages)

- Number each item that you list
- Do not submit your publications
- List papers in non-refereed journals, book reviews, reports, abstracts, policy papers, public lectures, and creative works
- Begin each entry on a new line and provide complete bibliographic notices (including co-authors, title, publisher, journal, volume, date of publication, number of pages, etc) as they appear in the original publication. Specify your role in co-authored publications. Forthcoming contributions should be listed only if they have been formally accepted for publication
- Group your entries together, i.e. publications, then conference presentations, then reports, etc
- Asterisk (*) each entry that has been generated while registered in your graduate program at Concordia University of Edmonton
- If this section (Part 4) is not applicable to you, i.e. you have no refereed publications or commissioned/juried/invited exhibitions, **please be sure to indicate N/A or Not Applicable on the page provided**

PART 5: Other Evidence of Scholarly and Creative Achievement and Research/Work Experience (maximum of two pages)

- List activities – such as volunteering, mentoring, community involvement, public speaking, etc. – which show your scholarly and creative achievement
- Describe your work in sufficient detail so that adjudicators will know its stature in your discipline
- List positions you are holding or have held, including research and teaching assistantships, relevant academic and non-academic work experience, and relevant administrative appointments
- If this section (Part 5) is not applicable to you, i.e. you have no refereed publications or commissioned/juried/invited exhibitions, **please be sure to indicate N/A or Not Applicable on the page provided**

PART 6: Special Circumstance (use only the space provided)

Concordia's selection committee is asked to take into consideration special circumstance that may have affected applicants' research, professional career, record of academic or research achievement, or completion of degrees. Relevant circumstances might include administrative responsibilities, maternity/parental leave, child-rearing, illness, disability, cultural or community responsibilities, socio-economic context, or health-related family responsibilities. Please specify the dates for any delays or interruptions and briefly describe them. **If this section (Part 6) is not applicable, please be sure to indicate N/A or Not Applicable on the page provided.**

Alberta Innovates Graduate Student Scholarship APPLICATION FORM

Student ID:	Full Legal Name:														
CUE Student Email:		Phone Number:													
Citizenship Status: (i.e. Canadian Citizen/Permanent Resident, International Student):		Are you registered in a master's program at CUE? <input type="radio"/> Yes <input type="radio"/> No													
Name of Program:		If "NO", what master's program have you applied for:													
Program Start Date (e.g. Fall 2024):		Anticipated program completion date:													
Name of Supervisor (if applicable):		Supervisor's Email (if applicable):													
Supervisors signature (if applicable):		Date signed (if applicable):													
Name of Co-Supervisor (if applicable):		Co-Supervisors email (if applicable):													
Co-Supervisors signature (if applicable):		Date signed (if applicable):													
Title of Research Project:															
Does your project involve: <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Animals:</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td>Humans:</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> <tr> <td>Biohazards:</td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> </tr> </tbody> </table>					Yes	No	Animals:	<input type="radio"/>	<input type="radio"/>	Humans:	<input type="radio"/>	<input type="radio"/>	Biohazards:	<input type="radio"/>	<input type="radio"/>
	Yes	No													
Animals:	<input type="radio"/>	<input type="radio"/>													
Humans:	<input type="radio"/>	<input type="radio"/>													
Biohazards:	<input type="radio"/>	<input type="radio"/>													
Note: Ethics approvals are a condition of award and required by Alberta Innovates and Concordia University of Edmonton prior to payment. Ethics approvals are not required for the application process.															

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Your research must fall within the descriptions of Information Communications Technology (ICT) or Advanced Materials and Manufacturing Technologies (AMM).

Indicate the research area of your project (**CHOOSE ONLY ONE**):

	ICT	AMM
Environment	<input type="radio"/>	<input type="radio"/>
Energy	<input type="radio"/>	<input type="radio"/>
Agriculture	<input type="radio"/>	<input type="radio"/>
Manufacturing	<input type="radio"/>	<input type="radio"/>
Health	<input type="radio"/>	<input type="radio"/>

Your research must also support one, or more, of the following eligible [Emerging Technology](#) areas

- ☐ Communications Networks
- ☐ Internet of Things/Machine-to Machine Systems (ICT) and Services (ICT)
- ☐ Advanced Data Management and Analytics (ICT)
- ☐ Cybersecurity (ICT)
- ☐ Human Interaction with Digital Media (ICT)
- ☐ Quantum Computing (ICT)
- ☐ Special-purpose quantum processors (ICT)
- ☐ Automation (Including Robotics) (AMM)
- ☐ Lightweight product design, assembly and use (AMM)
- ☐ Additive Manufacturing (AMM)
- ☐ Nanotechnology (AMM)
- ☐ Quantum Materials (AMM)

ACADEMIC, WORK AND SCHOLARSHIPS RECORD

ACADEMIC BACKGROUND (include only current and past degree programs)

Name of Institution	Location	Started (MM/YYYY)	End Date (MM/YYYY)	Degree Program	Degree Conferred (yes/no)

ACADEMIC, RESEARCH AND OTHER RELEVANT WORK EXPERIENCE

Position held and nature of work (begin with current)	Full Time	Part Time	Organization and Department	Supervisor	Period (MM/YYYY to MM/YYYY)

SCHOLARSHIPS AND AWARDS (start with most recent)

Have you won any Tri-Council Scholarship Programs (NSERC/CIHR), AB Innovates Scholarship programs or Mitacs?

☐ YES ☐ NO

☐ NO[illegible]

Describe the applicable skills and abilities you have gained through relevant research and work experience.

LAY ABSTRACT (Please describe your research project in **LAY TERMS** within **100 words or less**)

PART 1 A: Outline of Research (maximum one page) Please read instructions before completing this section.

PART 1 B: Bibliography/Citations (maximum one page) Please read instructions before completing this section.

PART 2: Alberta Innovates Research Alignment - IMPACT FOR ALBERTA (maximum one page) Please read instructions before completing this section.

Clearly articulate in the application how the results of the research can produce potential environmental, health, economic, social and other impacts for Alberta. Address the potential for how your technology/proposed solution is to be adopted in Alberta and beyond. **Note: The assessment criteria and all investment decisions are at the sole discretion of Alberta Innovates.**

PART 2: Industry Connection (maximum one page) Please read instructions before completing this section.

Are you currently involved with industry?

☐ **YES**

☐ **NO**

If not, clearly articulate how you will engage with industry during your graduate studies. (i.e. *engagement with industry member(s) through informal or formal consultation, feedback gathering, informal and formal mentorships with industry professionals/ entrepreneurs, discussing pain points with industry, testing, proof of concept demonstration, industry-academic workshops, research partnerships, career fairs, conferences, etc.*)

PART 3: Refereed Contributions, Commissioned, Juried and/or Invited Exhibitions (maximum two pages) Please read instructions before completing this section.

PART 4: Non-refereed Contributions (maximum of two pages) Please read instructions before completing this section.

PART 4 CONTINUED (if applicable)

PART 5: Other Evidence of Scholarly and Creative Achievement and Research/Work Experience (maximum of two pages). Please read instructions before completing this section.

PART 6: Special Circumstances (use only the space provided) Please read instructions before completing this section.

DECLARATION

I declare that:

1. All the statements that I have made in connection with this application are true and complete in all respects and that I have not withheld requested information.
2. I consent to the disclosure and exchange of academic information by and between the Financial Aid and Awards Office and the Registrar to verify my program of study, academic standing, and registration status to determine my eligibility for a financial award.
3. I authorize the University to verify any information provided as part of this scholarship application.
4. If selected as a recipient, I agree to the disclosure and exchange of my personal information collected from the application form, by and between the Financial Aid and Awards Office, Alberta Innovates, and the Government of Alberta, for the purposes of administering, evaluating, and reporting the program.
5. I acknowledge that my referees provide reference information to the Financial Aid and Awards Office in confidence and that information will not be disclosed to me.

This information is collected in accordance with the Personal Information Protection Act (Alberta) and the Taxation Act (Canada) and is required to determine your eligibility for this scholarship. If you have any questions about the collection, use or disclosure of this information you may contact the Financial Aid and Awards Office at 780-479-9219 or Toll-Free 1-866-479-5200.

☐ **I AGREE TO THE ABOVE DECLARATION**

Student Signature:

Date: