

GRADUATE STUDENT SCHOLARSHIPS **PROGRAM GUIDELINES AND HANDBOOK**

The information below outlines the 2017 Graduate Student Scholarships program. This program is administered and adjudicated by the Alberta universities involved.

Please contact your Alberta university of choice for information regarding university-specific application processes and procedures. University contact information is located on page 11 of this document.

The information contained in this document pertains to recipients of the 2017 Graduate Student Scholarships. It is not applicable to students awarded funding in previous competitions from Alberta Innovates.

GENERAL CONDITIONS

This document describes the terms and conditions for recipients of an Alberta Innovates Graduate Student Scholarship.

The Alberta Innovates Graduate Student Scholarships are open to Canadian, Permanent Resident and International Students.

Students in the following categories may apply, provided that they are pursuing graduate studies at an Alberta university in one of the research areas outlined below and meet eligibility requirements:

- Canadian candidates, whether or not they hold a major (i.e. NSERC) award;
- International candidates

All applications should be made to the appropriate university.

PROGRAM OVERVIEW

Each year, Alberta Advanced Education, in partnership with Alberta Innovates invests in the support of academically superior graduate students undertaking full-time research education at an Alberta university, leading to a research-based Master's or doctoral degree.

The Alberta Innovates Graduate Student Scholarships program (GSS) is designed to enable these promising students to succeed in Platform Areas of scientific research which are strategically important to Alberta. These areas are: **Information and Communications Technology (ICT)**, **Nanotechnology**, and **Omics**; (Omics consists of: Genomics, Proteomics, Metabolomics, Transcriptomics and Regulomics) in and of themselves or which additionally support the innovation priority areas of Environment & Climate, Energy, Food & Agriculture, Fibre/Bioindustrial and Health.

Further explanation of the eligible Platform Areas of Research are as follows:

Information and Communications Technology (ICT)

ICT, sometimes referred to as **informatics**, is a broad-based foundational and enabling discipline. ICT includes a range of study areas encompassing human-computer interaction, computer science, information science, information technology, algorithms, areas of mathematics and social sciences. Activities link theoretical results with application development.

The enabling aspects of ICT support all research fields including, but not limited to, computer science, mathematics, biology, physics and applications in all branches of science, engineering and medicine.

Nanotechnology

Nanotechnology is a broad, enabling discipline that crosses a range of research fields including chemistry, physics, computer science, biology, mathematics, many areas of engineering, and medicine.

Nanotechnology research includes the development of modelling and prediction tools and techniques, and control of matter at minute dimensions in the order of one to 100 nanometres. The breath of research in the nanotechnology field encompasses imaging, measuring, modelling, and manipulating matter at the atomic and molecular scale.

Of particular interest is work at the interface of nanotechnology and the life sciences. At the nano scale it is possible to engineer biological molecules that function differently than they would in nature. It is also possible to manipulate and engineer biological systems using methods other than traditional molecular biological, synthetic chemical, or biochemical approaches. Activities in these areas often become nanotechnology projects.

Omics

Omics is the term used to describe a range of disciplines in the field of biology including

genomics, metagenomics, metabolomics, glycomics and proteomics.

Through the last decade, improvements in a wide range of technologies including molecular biology, chemistry, physics, Information and Communications Technology and nanotechnology, have generated a variety of advances in the computational aspects of modelling and prediction associated with bioinformatics (management and manipulation of sequencing technologies and large data), and the multi-scale modelling of systems biology.

* * *

The scholarship is intended to support the recipient in concentrating his/her full-time attention to the proposed research. In addition to living expenses, tuition, etc., recipients are encouraged to use a portion of the scholarship for the following:

- Travel expenses to attend scientific meetings and conferences
- Travel expenses for relocation
- Purchase of scientific materials, books, periodicals and journals
- Supplies and expendables
- Computer hardware and software
- Costs for the use of libraries, computer and animal facilities
- Costs associated with the publication of research results

This program is not intended to support medical or health-related research initiatives that qualify for support from the [Alberta Innovates Graduate Studentships \(Health\) program](#), the Canadian Institutes of Health Research (CIHR), or similar medical research agencies. Candidates performing research that is clearly health-related must apply directly to these medical research agencies.

TIMELINE AND APPLICATION PROCESS

Specific to each individual university; please contact your university of choice for deadline information.

ELIGIBILITY (Please refer to Eligibility and Term of Scholarship chart on page 12)

If a candidate is not yet registered at an Alberta university, their eligibility to apply for the GSS is contingent upon meeting all eligibility requirements for admission to an Alberta university. The candidate should contact the university of their choice for information on those requirements.

Students cannot receive more than a total of four years of combined Master's/doctoral Alberta Innovates Graduate Student Scholarship funding.

The following categories of students are NOT eligible to apply

- Students who have previously accepted support from Alberta Innovates – Technology Futures in a **doctoral** program
- Students may not simultaneously hold both an Alberta Innovates Graduate Student Scholarship and an Alberta Innovates Graduate Studentship (Health).

SPONSORING SUPERVISOR

Each candidate must be sponsored by a faculty supervisor, possessing both a record of productive research within a research area described below and sufficient resources to ensure the satisfactory conduct of the research.

REVIEW PROCEDURE AND SELECTION CRITERIA

Each Alberta university will review all applications and evaluate them based on excellence and strategic alignment in Platform Areas of scientific research important to Alberta. These Areas are: **Information and Communications Technology (ICT), Nanotechnology, and Omics**; (Omics consists of: Genomics, Proteomics, Metabolomics, Transcriptomics and Regulomics) in and of themselves, or which additionally support the innovation priority areas of Environment & Climate, Energy, Food & Agriculture, Fibre/Bioindustrial and Health.

START DATE:

Recipients may choose to commence the GSS on May 1, 2017, September 1, 2017, or January 1, 2018, subject to the rules and regulations governing graduate awards at the chosen university.

LOCATION OF AWARD

Scholarships are only valid at the following three Alberta universities:

- University of Alberta
- University of Calgary
- University of Lethbridge

TERM OF SCHOLARSHIP (Refer to Eligibility and Term of Scholarship chart on page 12):

Master's students awarded a scholarship, when not holding a major (i.e. NSERC) award, will receive a stipend of \$26,500 per year.

Doctoral students awarded a scholarship, when not holding a major (i.e. NSERC) award, will receive a stipend of \$31,500 per year.

Students that receive a major (i.e. NSERC) award do not receive the full GSS stipend, but do receive a top-up award (see **Funding and Payments chart on page 6**). The Faculty of Graduate Studies at each Alberta University determines which awards are considered major awards for the purposes of Alberta Innovates scholarship terms.

Master's students are eligible for a maximum of two years of funding. This would apply to a student who has not yet begun their master's program at the competition deadline. For degrees already in progress, the term of the scholarship will be reduced by one year for each academic year or portion of an academic year spent participating in the graduate program, prior to commencing the scholarship, as determined by the registration date on their transcripts.* *see note below.*

If a Master's student who holds a GSS scholarship transfers to a doctoral program during the scholarship tenure, the term of scholarship *may* be extended up to a maximum of four years. The total award term is dependent on the start date of the student's Master's program.* *see note below.* To be eligible for a stipend increase (as described above), the student must provide proof of doctoral program registration. The stipend increase is not automatic and the student must request the increase to the doctoral scholarship rate.

Doctoral students are eligible for a maximum of four years of funding. This would apply to a student who has not yet begun their doctoral program at the competition deadline. For degrees already in progress, the term of scholarship will be reduced by one year for each academic year or portion of an academic year spent participating in the graduate program, prior to commencing the scholarship, as determined by the registration date on their transcripts. This includes any time spent in a Master's program (transfer from Master's to doctoral program). * *see note below.*

***Please note:** Alberta Innovates considers an academic year to be any time (up to and including the last month of study in a term) spent participating in a program. For example, if a candidate begins their first year of study in September, and applies for a scholarship in January, that time will be considered their first year of study and one full year would be reduced from the candidate's term. The candidate's first year of study (although only partially complete upon application) would be reduced from the term of the scholarship. That candidate would be eligible for one year if they are a Master's candidate and three years if they are a doctoral candidate.

FUNDING AND PAYMENTS:

SCHOLARSHIP	GSS STIPEND VALUE (PER YEAR)	OTHER MAJOR (i.e. NSERC) AWARD VALUE	TOTAL (PER YEAR)
MASTER'S GSS	\$26,500	\$0	\$26,500
DOCTORAL GSS	\$31,500	\$0	\$31,500
MAJOR (i.e. NSERC) AWARD TOP-UP	\$12,000	VARIES	VARIES

Scholarships are provided to the sponsoring university for distribution through the institution's payroll system.

For students who receive a major (i.e. NSERC) NSERC award, the Alberta Innovates Graduate Student Scholarships stipend will increase to a rate of \$26,500 (Master's) or \$31,500 (doctoral) per year when the external funding ends, for the remainder of the scholarship term.

It is the student's responsibility to inform their institution of any changes to funding as soon as he/she becomes aware of them.

DISTINCTIVE AWARDS:

Bill Bridger Awards of Excellence are awarded annually to one exceptional Graduate Student Scholarship recipient in any GSS research area who has demonstrated outstanding achievement at each of the University of Alberta, University of Calgary, and University of Lethbridge. The awards consist of a conference grant of up to \$3,000 to attend an international conference of the recipient's choice.

One recipient is chosen by their respective university annually and the awards are administered directly by Alberta Innovates.

Len Bolger Memorial Scholarships are awarded annually to one exceptional Graduate Student Scholarship recipient conducting energy-themed innovation research at each of the University of Alberta, University of Calgary, and University of Lethbridge. Recipients are selected from successful GSS applicants conducting energy-themed research in the Nano, ICT or Omics fields. The award consists of a yearly stipend of \$13,000 in addition to the Graduate Student Scholarship Award, for as long as the student receives the Graduate Student Scholarship. The same award terms will apply to both the Bolger and the Graduate Student Scholarship.

One recipient is chosen by their respective university annually and the awards are administered directly by the respective universities alongside the recipient's Graduate Student Scholarship.

REPORTING:

ANNUAL REPORTS

Scholarships are set up in 12-month intervals. Recipients may renew the scholarship, if eligible, up to the maximum term as indicated in the Program Guidelines and Handbook, provided acceptable progress report(s) are received. Details on progress reports and deadlines to renew a scholarship are university-specific. Students should contact their university for further information.

FINAL REPORTS

A final report will be requested of each recipient by Alberta Innovates. The final report will describe the outcome(s) of the funded research project, and both the recipient's immediate and long-term plans. This report is due one (1) month after the scholarship end date and should be sent to Alberta Innovates. Report forms and further information on the requirements of this report are available on the Alberta Innovates website.

If requested, scholarship recipients should be prepared to share research outcomes with Alberta Innovates for media coverage.

CHANGES TO APPROVED AWARDS

Students must seek and receive approval in writing from the university prior to any significant changes to the research as outlined in the approved application. This includes, but is not limited to, changes in supervisor, project, department and program of study.

Further, Alberta Innovates and Alberta Advanced Education require the university to be responsible for monitoring any changes to a recipient's graduate registration that would affect eligibility for this scholarship, including termination of graduate studies, completion of degree requirements, leaves of absence, etc.

LEAVES OF ABSENCE:

UNPAID LEAVE OF ABSENCE

Unpaid leaves of absence of up to six months may be granted with:

- Support from the sponsoring supervisor
- Approval from the sponsoring university

PAID PARENTAL LEAVE

Students may request a paid parental leave at the current stipend level for up to four months, providing the following terms and conditions are met:

- The parental leave is completed prior to the child's first birthday
- A written request is provided to the host institution at least six weeks prior to the start of the leave outlining the expected term of the leave
- The student is not eligible for, and will not receive, employment insurance or other parental leave benefits from other sources (such as NSERC or the host institution)
- The student's university/supervisor verifies that during this leave of absence, the student will not be engaged in research activities or employment and will resume full-time research activities upon return from the leave

The scholarship term will be extended for the duration of the parental leave.

NON-RESEARCH ACTIVITIES/EMPLOYMENT

Scholarship recipients are expected to devote their time to the completion of their degree program. Thus, Alberta Innovates requires that scholarship holders commit no more than 450 hours per year to non-research activities for supplemental income, such as teaching assistantship, laboratory preparation, employment, etc.

Scholarship recipients may not hold full-time employment during any period of the scholarship support. A student may elect to take an unpaid leave to pursue an industrial internship opportunity; refer to the Leave of Absence section in this document for more information.

PRIVACY

Alberta Innovates reserves the right to publish and/or disseminate information regarding its scholarships; including titles and nonproprietary details of the research, images, researcher's names and photos. Alberta Innovates also reserves the right to contact funded researchers, their supervisors and university to involve them in events, news and happenings related to Alberta Innovates and Alberta's innovation system.

As a public body, Alberta Innovates is regulated by the Freedom of Information and Protection of Privacy Act (FOIP) of Alberta. As such, Alberta Innovates will not communicate personal data of scholarship recipients. This includes information as outlined on the Government of Alberta Freedom of Information and Protection of Privacy [website](#).

CONTACT AND COMMUNICATION: ALBERTA INNOVATES

From time to time, Alberta Innovates may audit scholarship recipients. When scholarships are granted, recipient names and contact information will be forwarded to Alberta Innovates so that Alberta Innovates representatives may contact the student for auditing and communications purposes.

VISITS

From time to time, Alberta Innovates representatives may arrange visits with scholarship recipients. The purpose of these visits is to get to know the graduate students, and see the research being funded. Further information will be provided if the recipient is contacted to set up a visit.

OUTCOMES & INTELLECTUAL PROPERTY:

PUBLICATION OF RESULTS

Results of the supported research must be available in the public domain. The recipient, each supervisor and the sponsoring institution are encouraged to structure the proposed research project in a way that permits the publication of non-proprietary research findings in a timely manner. When commercialization of research outcomes is planned, a delay of up to one year in publication or public presentation will be allowed to support filing for intellectual property protection or commercializing findings.

INTELLECTUAL PROPERTY

Intellectual property (IP) developed during the Alberta Innovates graduate student's tenure will fall under the sponsoring institution's IP policy. If the student is hosted at another institution, the student and sponsoring institution must ensure that IP arrangements are made between the sponsoring and host institutions.

COMMUNICATING RESEARCH:

ACKNOWLEDGING SUPPORT

All publications, presentations and public messages arising from Alberta Innovates Graduate Student Scholarships funding must acknowledge the support of Alberta Innovates and Alberta Advanced Education.

Please use the full corporate Alberta Innovates, rather than any acronym.

ALBERTA INNOVATES LOGO

Alberta Innovates' logo is a proprietary symbol. Without exception, prior written approval from the Communications department is required before the logo may be used. Subsequently, and thereafter, if any changes are made, a copy of the material on which the logo is to be used must be provided to the Communications department to ensure the symbol is being used correctly, (e.g. placement, size, screens, colour, etc.).

Anyone with permission to use the logo in an electronic form must ensure that there is a link to albertainnovates.ca from the logo.

Instructions on accessing the logo can be found [here](#).

AWARD TERMINATION

When a student completes or terminates the research program, or the university terminates the program during the tenure of the scholarship, funding will also terminate.

A Final Report is required at the end of the funding term. The final report can be found on the Alberta Innovates [website](#) and should be sent via email to Alberta Innovates at gss@albertainnovates.ca.

UNUSED FUNDS

Any funds remaining in the stipend account as of the scholarship end date will be re-claimed by the university. These funds are only considered unused if the account has a credit balance after the award end date **(not annual renewal dates)**.

CONDITIONS OF AWARD

The scholarship is subject to the terms and conditions described in the most current version of the Program Guidelines and Handbook, including any amendments to these documents.

All scholarships are subject to the availability of funds.

It is the responsibility of the scholarship recipient to stay apprised of the Program Guidelines and Handbook, as they may be updated from time to time.

Students should also consult the rules and regulations governing graduate awards at their chosen university.

CONTACT INFORMATION:**University of Alberta:**

Graduate Scholarship Services
780.492.9460
grad.awards@ualberta.ca

University of Calgary:

Erin O'Toole
Graduate Scholarship Officer
403.220.2805
gsaward@ucalgary.ca

University of Lethbridge:

Deirdre Coburn
Graduate Awards Advisor
403.329.2741
sgs.awards@uleth.ca

Alberta Innovates:

Graduate Student Scholarships Program
HQSP & Centre Investments
Alberta Innovates
250 Karl Clark Road
Edmonton, AB T6N 1E4
gss@albertainnovates.ca

ELIGIBILITY AND TERM OF SCHOLARSHIP CHART

Graduate Program Start Date	Graduate Program Level	Eligible Years of Funding
Spring 2015	Master's	Ineligible
Spring 2016	Master's	1 (+3)*
Spring 2017	Master's	2 (+2)*

Summer 2015	Master's	Ineligible
Summer 2016	Master's	1 (+3)*
Summer 2017	Master's	2 (+2)*

Fall 2015	Master's	Ineligible
Fall 2016	Master's	1 (+3)*
Fall 2017	Master's	2 (+2)*

Winter 2016	Master's	Ineligible
Winter 2017	Master's	1 (+3)*
Winter 2018	Master's	2 (+2)*

*If a Master's student who holds a GSS transfers to a doctoral program during the scholarship tenure, the term of scholarship may be extended to a maximum of four years in total. The total award term is dependent on the start date of the student's Master's program.

Fall 2013	Doctoral	Ineligible
Fall 2014	Doctoral	1**
Fall 2015	Doctoral	2**
Fall 2016	Doctoral	3**
Fall 2017	Doctoral	4**

Winter 2014	Doctoral	Ineligible
Winter 2015	Doctoral	1**
Winter 2016	Doctoral	2**
Winter 2017	Doctoral	3**
Winter 2018	Doctoral	4**

Spring 2013	Doctoral	Ineligible
Spring 2014	Doctoral	1**
Spring 2015	Doctoral	2**
Spring 2016	Doctoral	3**
Spring 2017	Doctoral	4**

Summer 2013	Doctoral	Ineligible
Summer 2014	Doctoral	1**
Summer 2015	Doctoral	2**
Summer 2016	Doctoral	3**
Summer 2017	Doctoral	4**

**Award terms for students who transfer from a Master's program into a doctoral program without completing a Master's degree will be based on the start date of the master's program.