

People. Discovery. Innovation.
Les gens. La découverte. L'innovation.



NSERC Information Session Scholarships and Fellowships 2018 Competition

Carleton University
Kristina Dixie
Jennifer Houghton
September 12, 2017



Agenda

- Postgraduate Programs
- Postdoctoral Programs
- How to Apply
- Tips and Advice
- Diversity and Gender Equity Initiatives at NSERC
- Contact Information



Canada Graduate Scholarships – Master's (CGS M)



Canada Graduate Scholarships- Master's (CGS M)

	CGS M
Value and duration?	<ul style="list-style-type: none"> ▪ \$17,500 for one year
Minimum Average?	<ul style="list-style-type: none"> ▪ First-class * in each of the last two completed years of study (full-time equivalent)
Where to apply?	<ul style="list-style-type: none"> ▪ Up to 5 institutions where you would like to hold the award (institutions must have an award allocation)
When and how to apply?	<ul style="list-style-type: none"> ▪ By 8 PM (ET) on December 1 ▪ Research Portal
When are awards announced?	<ul style="list-style-type: none"> ▪ As of April 1 ▪ Research Portal

* As determined by the host institution



In addition, you must:

- be a Canadian citizen or permanent resident of Canada
- intend to pursue a Master's program with a significant research component
- have completed, as of December 31 of the year of application, between 0 - 12 months of studies in a Master's/Doctoral program
 - Possibility of holding a CGS M for the first year of a doctoral program
- not have already held a CGS M



Selection Criteria and Weightings

Criterion	Weight (%)
Academic Excellence	50
Research Potential	30
Personal Characteristics and Interpersonal Skills	20
TOTAL	100

Research Portal – Creating an Account

Research Portal – Creating an Application

Research Portal – Accessing an Application

Research Portal – Application Overview

Research Portal – Completing the Modules

Research Portal – Identification

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Research Portal – Proposed Host Organization

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Research Portal – Summary of Proposal

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Research Portal – Activity Details

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Outline of Proposed Research

- Consists of two separate sections:
 - Outline of proposed research (maximum one page)
 - Bibliography/citations (maximum one page)
- Provide detailed description of your proposed research project for the period during which you will hold the award
 - Describe the objectives, hypothesis, experimental or theoretical approach, methods and procedures to be used
 - Position your proposed research within the context of current knowledge in the field
 - Describe the significance of the research project to the field of research, as appropriate
- If you have not yet decided on a specific project, you must still provide a detailed description of a research project that interests you

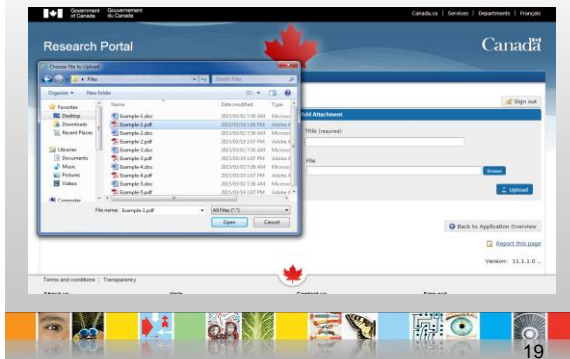
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Outline of Proposed Research – Cont'd

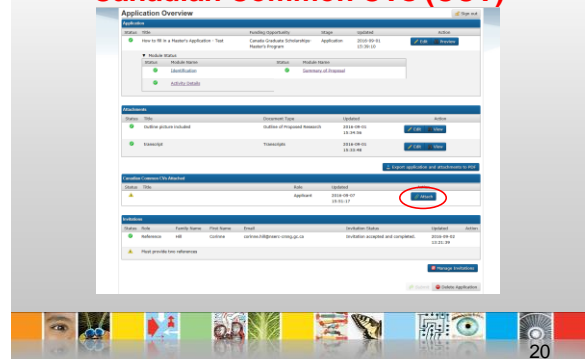
- If your degree program does not involve a thesis, clearly indicate the research component of your proposed work
- Only one outline of proposed research can be attached, even if you apply to more than one institution
- Your application may be reviewed by a broad audience not necessarily in your direct area of research
- Use clear, plain language and avoid jargon
- Follow the directives provided in the instructions for completing an application

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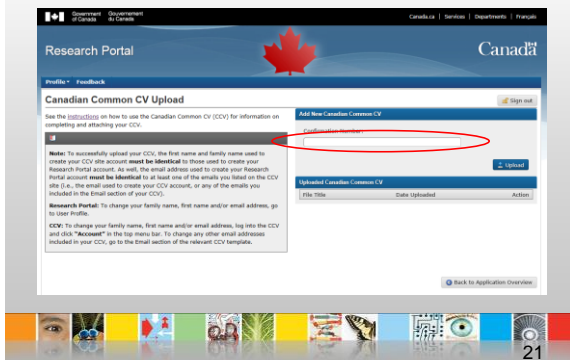
Research Portal – Attachments



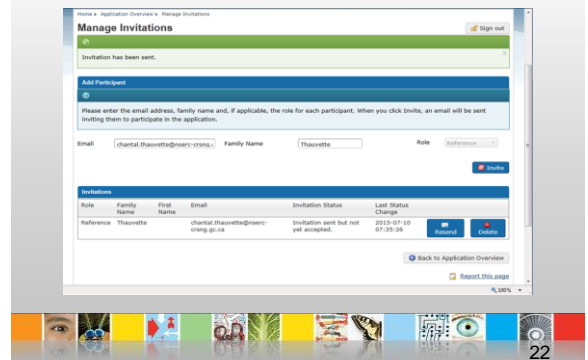
Research Portal – Attaching a Canadian Common CVs (CCV)



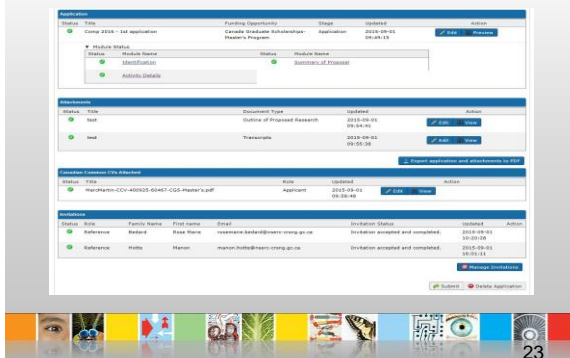
Research Portal – CCV Confirmation Number



Research Portal – Invitations



Research Portal – Ready to Submit



Research Portal – Notification of Results



Research Portal – Notification of Results

Application Status						
Organization	Status	Field of Research	Date of Offer	Offer Expiry Date	Updated	Action
McMaster University	Accepted (01/09/2015)	CHR	2015-05-15 11:55:37	2015-06-06 00:01:00	2015-06-02 10:33:29	View Notice of Award

CGS M – Important Reminders

- Plan ahead
- Read the program documentation
- Allow enough time for your references to complete their assessments
 - We recommend sending invitations by November 1
- Application deadline: December 1, before 8:00 p.m. (ET)**
- Results will be posted on the Research Portal as of April 1**

CGS M Contact Information

- CIHR**
Email: cgsma@cihr-irsc.gc.ca
- NSERC**
Email: schol@nserc-crnsng.gc.ca
- SSHRC**
Email: fellowships@sshrc-crsh.gc.ca

Postgraduate Scholarships

Canada Graduate Scholarships-Doctoral / NSERC Postgraduate Scholarships-Doctoral (CGS/PGS D)

	CGS D	PGS D
Value and duration	\$35,000 per year for 2 or 3 years	\$21,000 per year for 2 or 3 years
Who can apply?	<ul style="list-style-type: none"> Canadian citizen Permanent resident of Canada 	
Where can you hold the award?	<ul style="list-style-type: none"> Canadian university 	<ul style="list-style-type: none"> Canadian university Foreign university ONLY if you already have at least one Canadian NSE degree

	CGS/PGS D	
	Master's to PhD	Bachelor's to PhD (direct-entry)
Eligibility As of December 31 of the year you apply	0-24 months in PhD	4-36 months in PhD
Minimum Average	First-class in each of the last two years of completed study (full-time equivalent) as determined by your university	

Selection Criteria and Weightings

Criterion	Weight (%)
Academic Excellence	30
Research Ability or Potential	50
Communication, Interpersonal, and Leadership Abilities	20
TOTAL	100

Where do you apply and when?

- **Apply through your current university if:**
 - You are currently registered at, or are on an approved leave of absence from, a Canadian university in a degree program
- **Apply through the university where you were registered if:**
 - You are not currently registered at a university or are registered, but not in a degree program, and you graduated from a degree program from a Canadian university during the calendar year in which you are applying

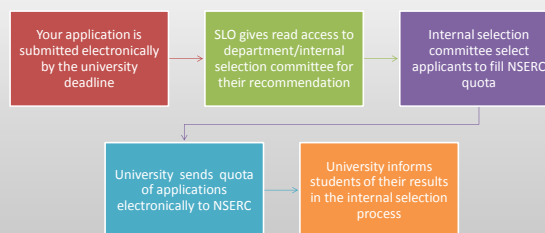
Deadline: verify with your university!

Where do you apply and when?

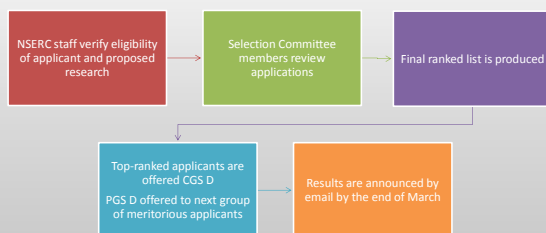
Apply **directly** to NSERC ONLY if:

- You are currently registered at a foreign university
- You are not currently registered at a university or are registered, but not in a degree program, and you graduated from a degree program prior to January of the year of application
- **Deadline: Applications must be received electronically by 8 PM (ET) on October 16**

What happens to your PGS D application at the university?



What happens to your PGS D application at NSERC?

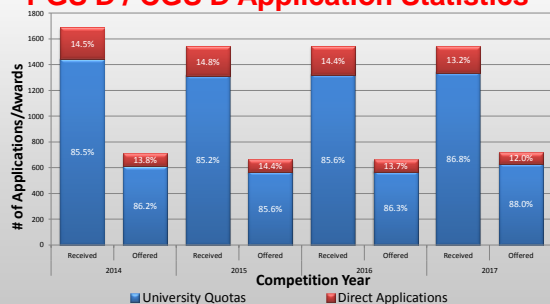


Scholarships and Fellowships Selection Committees

Earth Sciences	Evolution and Ecology
Mathematical Sciences	Physics and Astronomy
Chemistry	Cellular and Molecular Biology
Civil, Industrial and Systems Engineering	Chemical, Biomedical and Materials Science Engineering
Mechanical Engineering	Psychology
Plant and Animal Biology	Computing Sciences
Electrical Engineering	

IMPORTANT: The research subject code you select in your application will determine your Selection Committee

PGS D / CGS D Application Statistics



Vanier Canada Graduate Scholarships (Vanier CGS)

Vanier CGS	
Value	\$50,000 per year for three years
Open to:	<ul style="list-style-type: none"> Canadian citizens Permanent residents of Canada Foreign citizens
Minimum Average	First-class in each of the last two years of completed study (full-time equivalent) as determined by your institution
How and when do I apply?	You must be nominated by a Canadian Institution with a Vanier CGS quota; Institutional nomination by November 1, 2017 at 8:00 p.m. (ET)*
When are awards announced?	By the end of March

* Contact your Office of Graduate Studies for the university-specific deadline

Canada Graduate Scholarships – Michael Smith Foreign Study Supplements (CGS-MSFSS)

CGS-MSFSS	
Value	\$6,000 (covers travel, living and other non-research related costs)
Open to:	<ul style="list-style-type: none"> Canadian Citizens or Permanent Residents of Canada registered at an eligible Canadian institution have accepted or hold a CGS (Master's or Doctoral) or Vanier CGS (if eligible) must not have accepted a previous CGS-MSFSS
How to apply:	Applications are submitted through the University, within their assigned allocation
Duration:	3 to 6 months

* Contact your Office of Graduate Studies for the university-specific deadline

Foreign Study Supplements in Taiwan

Foreign Study Supplement in Taiwan	
Value	CAD \$2,500 Contribution from NSERC TWD 41,000 from Ministry of Science and Technology in Taiwan
Open to:	<ul style="list-style-type: none"> you must hold an active NSERC postgraduate scholarship (PGS), Canada Graduate Scholarship (CGS) or Vanier CGS; or your academic supervisor must hold an active NSERC Discovery Grant, Collaborative Research and Training Experience (CREATE) Grant or Strategic Partnership Grant; and you must be pursuing studies in natural sciences or engineering or both.
How to apply:	Apply directly to NSERC. Contact schol@nserc-crsng.gc.ca for application form and instructions. Applications must be received at NSERC by February 1 each year.
Duration:	8 weeks (set dates)

Aboriginal Ambassadors in the Natural Sciences and Engineering Award (AANSE)

AANSE	
Value	Up to \$5,000 towards travel costs
To be eligible, you must:	<ul style="list-style-type: none"> be a Canadian Citizens or Permanent Residents of Canada be an Aboriginal person* be registered full-time in an NSE degree program at an eligible Canadian institution OR be employed at an eligible institution as postdoctoral fellow in the NSE
How to apply:	No deadline; Apply minimum 2 months prior to your visit. Consult AANSE webpage.
Minimum average for students:	B or B- (or equivalent) over the last year (minimum 2 terms)

* NSERC uses the Canadian Constitution Act, 1982 definition of Aboriginal peoples as including the Indian, Inuit, and Métis peoples of Canada.

Postdoctoral Fellowships

NSERC Postdoctoral Fellowships (PDF)

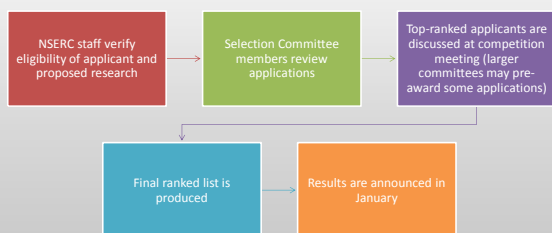
	PDF
Value and duration?	• \$45,000 per year for two years
When and how to apply?	• By 8 PM (ET) on October 16, 2017 • NSERC Online System
Who can apply?	• Canadian citizens • Permanent residents of Canada
Where can you hold the award?	• Canadian universities • Provincial research institutions in Canada • Other appropriate research laboratory in Canada • Universities and research centres abroad (PhD must be from Canadian university)
What is the eligibility window?	• PhD must have been completed after October 16, 2015 (some exceptions)
When are awards announced?	• Mid-January 2018

Selection Criteria and Weightings

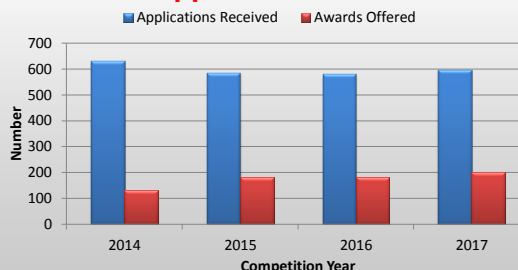
Criterion	Weight (%)
Academic Excellence	n/a
Research Ability or Potential	70
Communication, Interpersonal, and Leadership Abilities	30
TOTAL	100

NOTE: You can only apply once to the PDF program

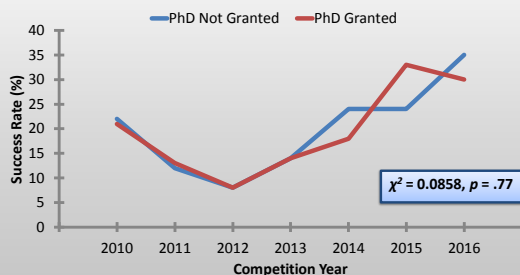
What happens to your PDF application at NSERC?



PDF Application Statistics



Should you apply during or after your PhD?



Banting Postdoctoral Fellowships

	Banting PDF
Value and duration?	• \$70,000 per year for two years
When and how to apply?	• By 8 PM (ET) on September 20, 2017 • ResearchNet
Who can apply?	• Canadian citizens • Permanent residents of Canada • Foreign citizens
Where can you hold the award?	• Canadian universities • Foreign universities • Affiliated research hospitals, colleges and not-for-profit organizations with a strong research mandate and capacity
Selection Criteria? (weighted equally)	• Research excellence and leadership in the research domain • Quality of applicant's proposed research program • Institutional commitment and demonstrated synergy between applicant and institutional strategic priorities

How to Apply

Completing Form 201 – Application for a Postgraduate Scholarship or a Postdoctoral Fellowship

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Form 201 – Application Profile

Form 201 - Application Profile

This information was transferred from the New Application screen. You may update the fields as needed.

Program Postgraduate Scholarships - PGS D

Title of proposal (100-200 chars)

Application language: English

Proposed starting date of award: [Year] [Month] [Day]

Current status: [Dropdown]

Option A - You are currently registered at a foreign university.
Option B - You are not currently registered at a university; or are registered, but not in a degree program; and have completed all of the requirements for a degree program prior to January 1 of this year.
Option C - You are currently registered at (or were registered at during the year of application), or are on an approved leave of absence from, a Canadian university in a degree program.
Option D - You are not currently registered at a university; or are registered, but not in a degree program; and have completed all of the requirements for a degree program from a Canadian university since January 1 of this year.

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Form 201 – Person Profile

Form 201 - Person Profile

This information was transferred from the New User Registration Information screen. If you need to update these fields, use the Maintain User Profile function under Account Management on the eConsole screen.

Family name

Given name

Initial(s) of All given names

Previous family name

NSERC PIN

E-mail address

Citizenship

Indicate date of landing as stated on official immigration document: [Year] [Month] [Day]

Country of citizenship (if not Canada): [Dropdown] (20 chars)

Gender (completion optional): [Male] [Female]

Designated groups (completion optional): Aboriginal ☐ Visible Minority ☐ Disabled ☐

Preferred language of correspondence

What languages do you: Read English ☐ French ☐

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Form 201 – Academic Background

Form 201 - Academic Background

Include only current and past degree programs. Please use the section 'Other' for any additional degree.

Type of degree: **Bachelor's**

Institution (Use the "List..." button) (100 chars)

Name if not available (100 chars)

Department (Use the "List..." button) (100 chars)

Name if not available (100 chars)

Country: [Dropdown]

Period of study: Started [Year] [Month] [Day] to [Year] [Month] [Day]

Awarded/Expected: [Year] [Month] [Day]

Name of discipline (100 chars)

Type of degree: **Master's**

Institution (Use the "List..." button) (100 chars)

Name if not available (100 chars)

Department (Use the "List..." button) (100 chars)

Name if not available (100 chars)

Country: [Dropdown]

Period of study: Started [Year] [Month] [Day] to [Year] [Month] [Day]

Transferred to Ph.D. without completion: ☐

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Form 201 – Work Experience

Form 201 - Work Experience

Beginning with the most recent, list your academic, research and other relevant work experience. In the Nature of work field, indicate if you gained the experience during a program of study.

Current occupation 1 of 6

Period of employment from [Year] [Month] [Day] to [Year] [Month] [Day]

Type of appointment: [Dropdown]

Position held (80 chars)

Organization (100 chars)

Department (100 chars)

Supervisor (100 chars)

Nature of work (100 chars)

Previous occupation 2 of 6

Period of employment from [Year] [Month] [Day] to [Year] [Month] [Day]

Type of appointment: [Dropdown]

Position held (80 chars)

Organization (100 chars)

Department (100 chars)

Supervisor (100 chars)

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Form 201 - Scholarships and Other Awards Offered

Let only competitive awards based on academic or research excellence and/or leadership or communication abilities, include NSERC awards and declined awards. You may fail up to ten awards starting with your most recent awards.

Note: "declined award" refers to awards that were offered to you but which you declined.

Awards	New Entry	Delete
<ul style="list-style-type: none"> Application Profile Research Profile Award Information Academic Background Experience Awards 	Name of award (35 chars) Location of tenure (35 chars) Value Per Year \$CAD Period held from [] [] [] Declined [] to [] [] [] [] [] Level [] [] [] [] Type [] []	Delete
<ul style="list-style-type: none"> Literature of Tenure S&P Information Thesis Key Words Outline of Proposed Research Justif. for Eligibility of Proposed Research Cost-Budget/ Statements Transcripts - Direct Transcripts - University Reports on the Applicant University Comments Proactive Disclosure Proactive Disclosure 	Name of award (35 chars) Location of tenure (35 chars) Value Per Year \$CAD Period held from [] [] [] Declined [] to [] [] [] [] [] Level [] [] [] [] Type [] []	Delete

Name	Form 201 - Location of Tenure	
Application Profile		
Personal Profile		
Addresses		
Academic		
Background		
Experience		
Awards		
Location of Tenure		
USM Information		
Thesis		
Key Words		
Outline of Proposed Research		
Justif. for Eligibility of Proposed Research		
Contributions/ Statements/ Transcripts - Direct		
Transcripts - University		
Reports on the Applicant		
University Comments		
Proposition		
Disclosures		

Indicate where you would like to hold the award, in order of preference.

Note: The "List..." button contains a list of postsecondary institutions.

Proposed location of tenure

Institution / organization	List...
Name if not available	(100 chars)
Department	
Name if not available	(100 chars)
Proposed supervisor	(50 chars)
Program of study	(100 chars)

Second location (if appropriate)

Institution / organization	List...
Name if not available	(100 chars)
Department	
Name if not available	(100 chars)
Proposed supervisor	(50 chars)
Program of study	(100 chars)

Form 101 - Justification for location of tenure
 Application Profile
 Person Profile
 Address
 Academic Background
 Experience
 Awards
 Location of Tenure
 Justification Location
 Thesis
 Key Words
 Outline of Proposed Research
 Justification for Eligibility of Proposed Research
 Contributions/ Statements
 Transcripts - Direct Reports on the Applicant
 Proactive Disclosure
 Proactive Disclosure

Provide a rationale for your choice(s) for location of tenure. To confirm that your text will fit, save your info and select 'Preview', then adjust accordingly.

See instructions for further details.

Form 201 - Scholarship/Fellowship Information	Personal Information	At the time of application, are you attending university? <input type="text"/>	
	Application Profile	Proposed degree program <input type="text"/>	
	Academic Background	If you are offered an award, do you plan to take it up at a foreign university? <input type="text"/>	
	Awards	If you answered yes to the previous question, do you still want to be considered for an Academic Graham Bell Canada Graduate Scholarship (which is tenable only in Canada)? <input type="text"/>	
	Location of Thesis	Number of months of graduate studies (master's and doctoral) you have completed as of December 31 of the year of application in the natural sciences and engineering (if none, enter "0"): <input type="text"/>	
	Thesis	• Months of full-time studies <input type="text"/>	
	Key Words	• Months of part-time studies <input type="text"/>	
	Outline of Proposed Research	• Months of full-time studies <input type="text"/>	
	Justif. for Eligibility of Proposed Research	• Months of part-time studies <input type="text"/>	
	Contributions/Statements	Number of months of studies you have completed, as of December 31 of the year of application, in the program for which you are requesting funding (if none, enter = 0 =): <input type="text"/>	
Transcripts - Direct	• Months of full-time studies <input type="text"/>		
Transcripts - University	• Months of part-time studies <input type="text"/>		
Reports on the Applicant			
University Comments			
Procedures			
Disclosure			

Form
Application Profile
Person Profile
Addresses
Academic
Background
Experience
Awards
Location of Thesis
S&E Information
Thesis
Key Words
Outline of Proposed Research
Justif. for Eligibility of Proposed Research
Contributions/ Statements
Transcripts - Direct
Transcripts - University
Reports to the Applicant
University

Form 201 - Thesis Information

Information on these completed or in progress. For completed degrees, indicate the date by which you completed all degree requirements (not the convocation date). This includes your thesis defence, corrections, and disposition of thesis.

Degree (60 chars)
Supervisor (60 chars)
Date degree requirements completed

Title of the thesis
(200 chars)

Degree (60 chars)
Supervisor (60 chars)
Date degree requirements completed

Title of the thesis
(200 chars)

Summary of thesis most recently completed or in progress. Use plain language. Do not reproduce the thesis abstract. To confirm that your text will fit, save your information and select 'Preview', then adjust accordingly.

[illegible]

Advice and Tips on Completing Form 201

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Tips on applying for an NSERC scholarship or fellowship Selection Committee Member Presentation and/or Video



<https://www.youtube.com/watch?v=GvUsRO9ZB8E>

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General (but important!) tips

- ✓ Read the Program Guide
- ✓ Read the Application Instructions
- ✓ Read the Selection Committee Guide

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What makes a good research proposal?

- Write the proposal yourself
- Be as clear as possible
- Describe the objectives, hypothesis, experimental approach, methods, significance, etc.
- Clearly explain the significance to the NSE
- Make your proposal understandable for the whole committee whose members will have a broad range of expertise
- Do not repeat info from the Thesis section (you can refer to it)
- Focus on what you will be working on during the tenure of the award
- Maximum of one page in length (including references)

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Making sure your research and your program are eligible at NSERC

- NSERC supports research whose major challenges lie in the natural sciences and engineering (NSE), other than the health sciences
- Applications containing research proposals that are not eligible under these guidelines may be rejected
- Consult NSERC's Eligibility Criteria for Students and Fellows (Guidelines and Addendum)
- You can only apply to one agency per academic year
- For doctoral and postdoctoral awards, NSERC does not support programs that include a professional component (i.e., MD/PhD)

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Justifying the eligibility of your research

- Complete the *Justification for Eligibility of Proposed Research* section if your research has any potential overlap with health or social sciences
- This section is used by NSERC staff to determine the eligibility of your proposed research; it is not seen by the selection committees
- Use plain language to explain why you believe that your research is eligible at NSERC
- It should not be another description of your research project
- It should be a short explanation (a paragraph is fine, you do not need to use the whole page)

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Contributions and applicant's statement

- Part 1: Articles published, accepted, submitted
- Part 2: Most significant contributions to R&D
- Part 3: Applicant's statement:
 - research experience
 - relevant activities
 - special circumstances

Page limits: PGS D – 2 pages / PDF – 4 pages

No updates accepted once application is submitted



Common mistakes when writing proposal / contributions / statement

- Lack of focus or coherence
- Repetitiveness
- Failure to cite important work in the area
- Failure to cite recent relevant work
- Citing too many irrelevant articles
- Relying too much on secondary sources (lack of understanding)
- Too much detail on minor issues; too little detail on major issues
- Research contributions not properly highlighted
- Impact / importance of research not explained



Transcripts

- Follow the transcript guidelines in the Form 201 Instructions; your application will be rejected if you have not followed these instructions
- Transcripts must be:
 - up-to-date
 - dated or issued in the current fall session or after the last term during which you were registered (even if there are no grades or updates)
 - Official
 - issued by the Registrar's Office (not web transcripts)
 - included for each program listed under your Academic Background
 - For PDF, you only need your doctoral transcripts
- You are responsible for ensuring all transcripts have been uploaded according to the guidelines (even if your university does the uploading)



Reports on the Applicant

- Who should you ask to write your reports?
 - Your thesis supervisor
 - Another person familiar with your research and other abilities
 - Not your proposed supervisor (unless they are currently or have been your supervisor)
- How do you invite your referees to complete the reports?
 - Enter their names and email addresses in the online system; the system will send them an email with instructions
 - Invite them well in advance of the deadline; your application cannot be submitted without these reports



Where to get additional information?

- Resource videos on NSERC website:
 - Tips on applying for an NSERC scholarship or fellowship
 - Demystifying the review process for NSERC scholarships and fellowships
 - Program guides and application tutorials

http://www.nserc-crsng.gc.ca/Students-Etudiants/Videos-Videos/Index_eng.asp

- See NSERC website for other opportunities and supplements



Diversity and Gender Equity Initiatives at NSERC



What is gender equity?

- Fair process of allocating resources and decision making
- Measures necessary to eliminate discrimination and inequalities between women, men and gender diverse people
- Equal opportunities
- *Equity* is a means. *Equality* is the result we are striving for



Diversity and gender equity as components of research excellence

- Studies have shown that research quality is improved when:
 - sex, gender, and diversity are taken into account in the experimental design
 - research teams are diverse
- “The goals of excellence and equity are both compatible and mutually supporting. Sound equity practices ensure that the largest pool of qualified candidates is accessed.....” (Canada Research Chairs Peer Review Guidelines)



Commonly experienced barriers

- Multiple factors contribute to low % of women and under-represented populations in NSE

- Few role models
- Unconscious biases
- Microaggressions
- Stereotype threat
- Gendered language
- Assumed linearity of scientific career paths



[WVST's Gender Diversity in STEM](#), co-authored by CWSE past chair Elizabeth Croft



Barriers – unconscious bias

To be seen as equally “competent” by reviewers, female researchers need to publish:

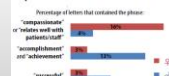
3 more articles in *Nature of Science*

OR

20 more articles in specialist journals

than male applicants when applying for a medical fellowship.

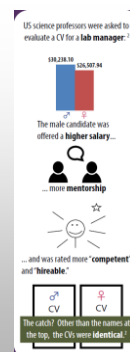
Reference letters for female medical faculty were shorter, more vague, and placed less emphasis on research than those for males.⁴



The average letter length for women was 227 words, compared to 253 words for men.⁴

VIDEO:

<http://bit.ly/22gUjQY>



NSERC initiatives that affect students and postdoctoral fellows

- Selection committees must have at least 20% women (30% by 2020)
- Members must complete gender equity training modules and references are encouraged to do so
- List of examples of activities demonstrating communication, interpersonal, and leadership skills expanded to include recognition for science promotion, outreach, volunteer work, coaching, clubs, civic engagement, etc.
- Parental leave policies
 - 6 month paid parental leave available (regardless of your eligibility for other paid parental leave)
 - part-time options available for parental and family responsibilities
 - extension of PDF eligibility window for parental leave
- Applicants are evaluated on their active period, excluding leaves
- Equity data of applicants will be collected to better inform policy and program decisions
- Applications from qualified Indigenous doctoral applicants may be submitted in addition to university quotas



Gender Summit 11

The Gender Summit links hundreds of delegates active in research and initiatives related to gender equity from around the globe. These action-based events aim to make gender equality the norm and to embed it as a primary dimension of quality in research and innovation.



EMBRACING PLURALISM AND THRIVING THROUGH DIVERSITY – SHAPING SCIENCE AND INNOVATION
November 6-8, 2017 – Montreal, Canada



Contact Information

- NSERC Scholarships and Fellowships
schol@nserc-crsng.gc.ca
- Online Services Helpdesk
webapp@nserc-crsng.gc.ca
(613) 995-4273
- SLO Enquiries
schol-SLO@nserc-crsng.gc.ca

