



Western
UNIVERSITY • CANADA

NSERC Doctoral Information Session

September 16, 2021

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Associate Professor and Canada Research Chair
Department of Chemical & Biochemical Engineering
Department of Chemistry

**Faculty of Engineering Scholarship Mentor, Chemical & Biochemical
Engineering**

NSERC Doctoral Awards

The **Natural Sciences and Engineering Research Council (NSERC)** Doctoral Research Awards provide financial support to high-calibre scholars who are engaged in an eligible doctoral program in the natural sciences or engineering.

Value

- **Alexander Graham Bell Canada Graduate Scholarships-Doctoral (CGS-D):**
\$35,000 per year for 36 months or;
- **NSERC Postgraduate Scholarships-Doctoral (PGS-D):** **\$21,000 per year for 36 months**

Eligibility Criteria

To be eligible to apply, an applicant must:

- be a Canadian citizen or a permanent resident of Canada
- have completed no more than 24 months of full-time study in their doctoral program by December 31st if previously enrolled in a master's program
- have completed no more than 36 months of full-time study in their doctoral program by December 31st if enrolled directly from a bachelor's to a PhD program (with no time spent in a master's program)

Selection Criteria

- Research ability and potential **50%**
- Relevant experience and achievements obtained within and beyond academia **50%**

Application Deadline

NSERC Doctoral (CGSD/PGSD)

September 24, 2021
@7:59pm EST

* The Engineering Graduate Office and SGPS work with candidates as early as February each year to prepare their applications. If you are interested in consideration for next year, please contact Our Office.

Overview of Review Process

Reviewer Assignments

It is based on:

- comfort ratings
- areas of expertise (3 reviewers selected)
- conflict(s) of interest
- language capabilities
- a balanced workload

Overview of Review Process

Scoring System

Highest score



Lowest score

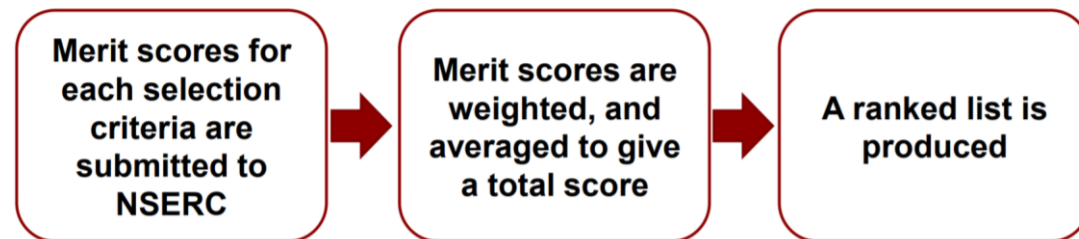
Merit Category	% of applications	Possible merit score(s)
6	Up to 15%	6
5	Up to 20%	5 (+)
		5
		5 (-)
4	Up to 25%	4 (+)
		4
		4 (-)
3	Up to 25%	3 (+)
		3
		3 (-)
2	Up to 20%	2
1	Up to 15%	1

Overview of Review Process

Ranked list	Status	Percentage	Result
Application	Pre-awarded	15%	Initial offers*
Application	Pre-awarded		
Application	Discussed at competition	~50%	Alternate list
Application	Discussed at competition		
Application	Discussed at competition		
Application	Discussed at competition		
Application	Discussed at competition		
Application	Non-meritorious	~35%	Not awarded
Application	Non-meritorious		
Application	Non-meritorious		
Application	Non-meritorious		

Ranked List

Note: percentages and number of applications are approximate (for illustration purposes only)



Application Preparation

Do's and Don'ts:

- Start Preparing Early
- Read the Instructions well for completing the application
https://www.nserc-crsng.gc.ca/OnlineServices-ServicesEnLigne/instructions/201/pgs-pdf_eng.asp
- Contact your Referees early to give them enough time
- Choose appropriate Review Committee
- Keep a Short and Simple Title for Proposal
- Reach out to your **Supervisor** to check your draft proposal.
- Reach out to **Scholarship Mentor** to check your draft application. Every Department/Program has one assigned.

Application Form



Natural Sciences and Engineering
Research Council of Canada

Conseil de recherches en sciences
naturelles et en génie du Canada

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Application for a Postgraduate Scholarship or Postdoctoral Fellowship (FORM 201)

Type of Award PGS D		AID		
		CTTEE		
		Date [REDACTED]		
Family name of applicant [REDACTED]		Given name [REDACTED]	Initial(s) of all given names [REDACTED]	Personal identification no. (PIN)
ACADEMIC BACKGROUND (include only current and past degree programs)				
Degree	Name of discipline	Department, institution and country	Month and year started	Month and year awarded/expected
Bachelor's	Chemical Engineering	[REDACTED]	[REDACTED]	6 / 2019
Doctorate	Chemical Engineering	[REDACTED]	[REDACTED]	4 / 2025



**Application for a Postgraduate Scholarship
or Postdoctoral Fellowship
(FORM 201)**

Type of Award PGS D			AID
			CTTEE
			Date [REDACTED]
Family name of applicant [REDACTED]	Given name [REDACTED]	Initial(s) of all given names [REDACTED]	Personal identification no. (PIN)
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-mm/yyyy)
Graduate Student - Full Time Graduate research for PhD	[REDACTED]	[REDACTED]	1/2020 /
BASc Thesis Student - Full Time Undergraduate thesis work and NSERC USRA summer research student	[REDACTED]	[REDACTED]	5/2018 - 7/2019
Research Intern - Full Time Undergraduate internship	[REDACTED]	[REDACTED]	5/2017 - 5/2018
Research Exchange Student - Full Time Summer research exchange program through U of T	[REDACTED]	[REDACTED]	5/2016 - 7/2016
Summer Research Student - Full Time	[REDACTED]	[REDACTED]	5/2015

+ Include GTA
experiences



**Application for a Postgraduate Scholarship
or Postdoctoral Fellowship
(FORM 201)**



Type of Award 	Personal Identification no. (PIN) 	Family name, given name and initial(s) of applicant 			
SCHOLARSHIPS AND OTHER AWARDS OFFERED (start with most recent and include NSERC awards)					
Name of Award	Value (CDN\$)	Level Institutional, Provincial, National, International	Type Academic, Research, Leadership, Communication	Location of tenure	Period held (yyyy/mm - yyyy/mm)
David H. Koch (1962) Fellowship	115,000	Institutional	Academic		
NSERC USRA	8,000	Institutional	Research		
International Research Scholarship	1,500	Institutional	Research		

Type of Award PGS D	Personal identification no.(PIN)	Family name, given name and initial(s) of applicant
THESIS COMPLETED OR IN PROGRESS		
1. Degree PhD in Chemical Engineering	Supervisor	Date degree requirements completed
Title of thesis		
2. Degree BASC in Chemical Engineering	Supervisor	Date degree requirements completed
Title of thesis		
SUMMARY OF THESIS MOST RECENTLY COMPLETED OR IN PROGRESS		
Do not reproduce abstract of thesis.		
<p>Mention here first which one you are covering: BSc, MSc or PhD thesis</p>		



**Application for a Postgraduate Scholarship
or Postdoctoral Fellowship
(FORM 201)**

Type of Award PGS D	Personal identification no. (PIN) [REDACTED] [REDACTED]	Family name, given name and initial(s) of applicant [REDACTED]
DIVERSITY CONSIDERATIONS IN RESEARCH DESIGN		
Are diversity considerations including, but not limited to, sex and gender taken into account in the research design, methods, analysis and interpretation, and/or dissemination of findings?		
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
NOTE		
If you answer “yes” to the question above, please ensure that diversity considerations are incorporated throughout your proposal (i.e. research design, methods, analysis and interpretation, and/or dissemination of their findings). If you answer “no” to the question above, please use the text box provided to explain why diversity considerations are not relevant to your research design.		

If NO:Therefore diversity considerations are not relevant to this particular project.

Research Proposal (2 pages)

- Short and Simple/Lay Project Title
- Structure:
 - Motivation Make sure to run it through your Supervisor (s)
 - Background
 - Objectives and Hypothesis
 - May add a schematic, if needed
 - Experimental Approach/Methodology
 - Significance/Impact
 - Reference List/Bibliography (separate page)
(Use Mendeley, Endnote etc for consistent formatting)

Contributions and Statements

Part I – Contributions to research and development

- A. Articles published in peer-reviewed journals
- B. Articles submitted to peer-reviewed journals
- C. Non-peer reviewed contributions
- D. Patents and copyright submitted

- ✓ Make sure the publication information is properly formatted
- ✓ Consistent formatting (Use Mendeley, Endnote etc)
- ✓ In author list, **BOLD** your name
- ✓ Beside every publication mention “Published; UG or Graduate work)
- ✓ If just submitted write “. (Submitted; Submission ID #...)
- ✓ Include Page number to the documents

Contributions and Statements

Part II. Most significant contributions to research and development

1. Hydrogels for Drug and Cell delivery to the Heart (BASc Thesis, University of Western Ontario) (Journal Name and details if published): Write a paragraph on what u have done and why is it important.
2.
3.

Part III – Applicant’s statement

- a. Research Experience: Paragraph (overall journey from BSc to PhD)
- b. Relevant Activities: 1) Teaching 2) Mentoring 3) Managing Projects 4) Science Promotion 5) Institutional Club membership 6) Univ. Ambassador 7) editor etc.....

Important for Criteria - Relevant experience and achievements obtained within and beyond academia (50%)

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Questions?