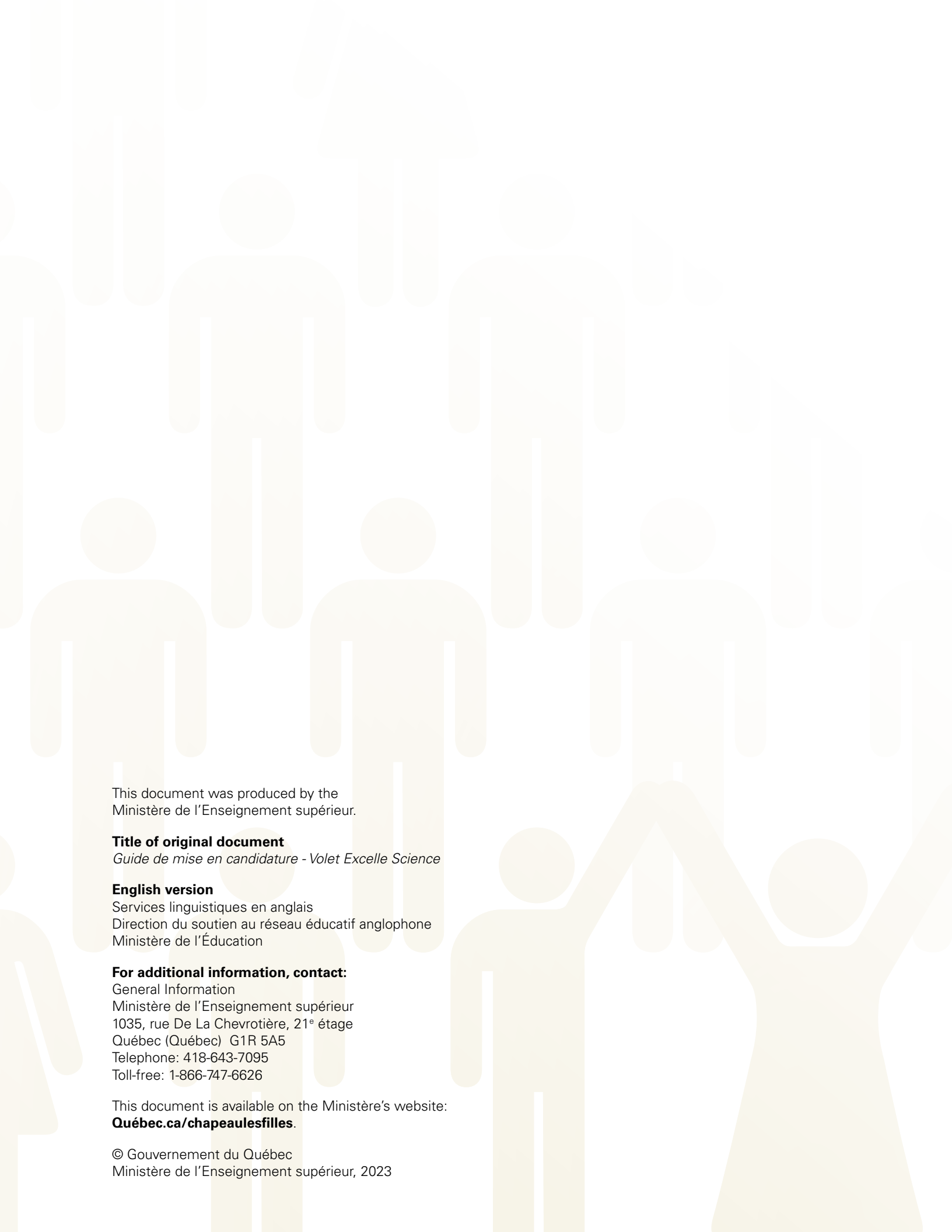




**HATS OFF TO YOU!  
AND EXCELLENCE IN SCIENCE  
CONTESTS 2022-2023**

**APPLICATION GUIDE**  
**EXCELLENCE IN SCIENCE**

**SUBMISSION DEADLINE: MARCH 3, 2023**  
**MANY PRIZES WORTH BETWEEN \$2000 AND \$5000**



This document was produced by the  
Ministère de l'Enseignement supérieur.

**Title of original document**

*Guide de mise en candidature - Volet Excelle Science*

**English version**

Services linguistiques en anglais  
Direction du soutien au réseau éducatif anglophone  
Ministère de l'Éducation

**For additional information, contact:**

General Information  
Ministère de l'Enseignement supérieur  
1035, rue De La Chevrotière, 21<sup>e</sup> étage  
Québec (Québec) G1R 5A5  
Telephone: 418-643-7095  
Toll-free: 1-866-747-6626

This document is available on the Ministère's website:

**[Québec.ca/chapeaulesfilles](https://quebec.ca/chapeaulesfilles).**

© Gouvernement du Québec  
Ministère de l'Enseignement supérieur, 2023

## TABLE OF CONTENTS

Contest eligibility .....	4
2022-2023 List of Prizes .....	5
How to participate .....	6
General questions.....	6
Additional questions .....	6
Formatting standards.....	6
Selection criteria .....	7
Documents to be provided .....	7
Recommendation from the educational institution.....	7
Mentorship Prizes for Teachers and Staff Members.....	7
Submission of the application package.....	8
<b>Excellence in Science Prizes .....</b>	<b>9</b>
<b>Agriculture and Agri-Food Prize.....</b>	<b>10</b>
<b>Indigenous and Cultural Communities Prize.....</b>	<b>11</b>
<b>Networking Skills Prize .....</b>	<b>12</b>
<b>Environment Prize .....</b>	<b>13</b>
<b>Equity Prize .....</b>	<b>14</b>
<b>Professional Expertise Prize.....</b>	<b>15</b>
<b>Showcase Your Region! Prize .....</b>	<b>16</b>
<b>Employment Prospects Prize.....</b>	<b>17</b>
<b>Inspiring Engineer Prize .....</b>	<b>19</b>
<b>Perseverance Prize .....</b>	<b>20</b>
<b>Next Generation Prize .....</b>	<b>21</b>
<b>Natural Resources and Forests Prizes .....</b>	<b>22</b>
<b>Transportation Prize .....</b>	<b>24</b>
<b>Work placement in a laboratory in France.....</b>	<b>25</b>
Fields and programs eligible for the 2022-2023 Excellence in Science contest.....	27
Questions? – Excellence in Science .....	28
2022-2023 Partners .....	30

*The Ministère de l'Enseignement supérieur invites women and girls working toward a bachelor's degree in a science or engineering field leading to working in a traditionally male-dominated field to participate in the **Excellence in Science** contest.*

*The candidates are encouraged to talk about what motivates them and their future projects.*

*This contest is intended to showcase the diverse career opportunities available to young women and to support those who venture off the beaten track toward a diploma.*

## CONTEST ELIGIBILITY

- Candidates must be enrolled full-time in a bachelor's program in one of the science or engineering programs selected for the contest (see the Fields and programs eligible for the 2022-2023 Excellence in Science contest section at the end of this guide) and must not have failed in more than two subjects in their last school term.
- They must attend a university-level institution in Québec.
- They must be Canadian citizens or permanent residents and have resided in Québec for more than a year.

### **Please note:**

- Graduate students at the master's and doctoral levels are not eligible for the contest.
- Winners from the past three years are not eligible. A candidate who wishes to once again be eligible for the contest must have changed her program of study, and over three years must have elapsed since she was last declared a winner.
- Winners of the Hats Off to You! contest are eligible for the Excellence in Science contest if they meet the general contest requirements.

## 2022-2023 LIST OF PRIZES

Thanks to the contest's partners, 29 prizes ranging from \$2000 to \$5000, including a work placement in France, will be awarded.

These 29 prizes will be awarded in June 2023.

- Four prizes of \$5000: Excellence in Science
- Ten prizes of \$2000: Excellence in Science
- One prize of \$2500: Agriculture and Agri-Food
- One prize of \$2000: Indigenous and Cultural Communities
- One prize of \$2500: Networking Skills
- One prize of \$2000: Environment
- One prize of \$2000: Equity
- One prize of \$3000: Professional Expertise
- One prize of \$2000: Showcase Your Region!
- One prize of \$2000: Employment Prospects
- One prize of \$2000: Inspiring Engineer
- One prize of \$2000: Perseverance
- One prize of \$3000: Next Generation
- Two prizes of \$2000: Natural Resources and Forests
- One prize of \$2000: Transportation
- One work placement in a laboratory in France (CNRS-LOJIQ) worth approximately \$4000

## HOW TO PARTICIPATE

Candidates must register online at Québec.ca . The application package must contain the following documents:

- 1) the registration form
- 2) the answers to the general questions on their career choice
- 3) the answers to the additional questions related to the prizes for which they are registered (candidates must select the prize(s) that best match their profile)
- 4) a copy of their transcript
- 5) their résumé
- 6) the recommendation from their educational institution

The *Documents to be provided* section outlines the details on submitting an application.

**Deadline: March 3, 2023**

## GENERAL QUESTIONS

- 1) How did you become interested in your field of study? Why did you choose this career?
- 2) As a female student in a male-dominated program of studies, what are the ways, methods, tricks or tips that you used to ensure your success?
- 3) Which of your program-related achievements are you most proud of? Explain why.
- 4) After you complete your studies, which profession do you intend to work in? Why?
- 5) How did your mentor<sup>1</sup> inspire and motivate you, and what impact did this person have on your training path?

## ADDITIONAL QUESTIONS

Refer to the additional questions related to the different prizes.

## FORMATTING STANDARDS

The answers to the questions must comply with the following standards:

- The top right of each page must contain your first and last name, as well as your program of study.
- Answers must be numbered and given in separate paragraphs.
- Line spacing must be set at 1.5.
- The font must be 11-point Arial.
- Letter-size paper must be used.
- Answers must be approximately 300 words for each of the general questions and for the additional questions.
- There must be an additional page for the answers to the questions for each prize selected.

1. After candidates have answered this question, their mentors are eligible for a Mentorship prize. A mentor may be a teacher or a staff member of the institution the candidate is currently attending.

## SELECTION CRITERIA

Application packages will be assessed according to the following criteria:

- quality of the presentation of answers (clarity, authenticity, persuasiveness)
- relevance of the candidate's reasons for entering the contest
- favourable recommendation from the educational institution

## DOCUMENTS TO BE PROVIDED

Before submitting the application, make sure that all the following documents are in PDF, JPEG or PNG format:

- a copy of a transcript issued by the university attended
- the answers to the five general questions
- the answers to the additional questions relating to each of the provincial prizes for which you are applying
- a résumé

## RECOMMENDATION FROM THE EDUCATIONAL INSTITUTION

In addition, a mentor must support the candidate's application. The mentor could be a teacher or a staff member of the educational institution attended. The mentor's contact information must be included in the appropriate section of the online registration form. An automated email will be sent to the mentor in order to complete the recommendation process.

To this effect, the mentor will be asked to answer the following two statements:

- 1) Describe the candidate, taking into account her academic achievements (school marks, quality of work, etc.) and personal aptitudes (adaptability, creativity, team spirit, perseverance, etc.).
- 2) Tell us how the candidate stands out or why you feel she merits an award in the Excellence in Science segment of the Hats Off to You! contest, which promotes the role of women in traditionally male-dominated occupations.

## MENTORSHIP PRIZES FOR TEACHERS AND STAFF MEMBERS

In order to recognize the contribution of mentors who support students on their training path and help them prepare their applications, the Ministère will award three prizes worth \$500 each (two for Hats Off to You! and one for Excellence in Science). The purpose is to highlight the importance of mentorship in schools and the effect it has on student success.

### **How to nominate someone for a Mentorship prize**

Mentorship prizes are reserved for staff members. It is up to the candidates to nominate their mentor by answering General Question 5.

Mentorship prizes are worth \$500 each and are awarded to three mentors who recommended a candidate and who received a favourable review from them.

## SUBMISSION OF THE APPLICATION PACKAGE

- 1) Candidates must submit their application package and all the required documents online by midnight on March 3, 2023.
- 2) The mentor, who must be a member of their school staff, must submit a recommendation online by midnight on March 7, 2023.

### Confirmation of eligibility

Candidates will receive two automatic emails: one acknowledging receipt of their application, and another one confirming reception of the mentor's recommendation.


### Personal information

By registering, you affirm that you have read and fully understood the information published on the contest's website as well as the information that appears below.

Photographs or footage taken of you during the provincial awards ceremony, as well as a short biography, will be published in the *Laureates* section of the website. These documents may also be used on various media, electronic or paper, to promote the event. Please note that only images showing you in a positive light will be used.

To this effect, you assign to the Ministère, free of charge, all the exclusive rights, for a limited time of one year, to reproduce and publish these documents for the purposes of promoting the *Hats Off to You!* contest, and you renounce any and all related claims.

Your file will be transmitted to those responsible for awarding prizes in the relevant contest categories. Finally, please be advised that the contest coordinator at the Ministère will contact you first should a journalist or any other person wish to contact you.

Under the *Act respecting Access to documents held by public bodies and the Protection of personal information* , you can exercise your right to access personal information about you held by the Ministère and to have it corrected.



# EXCELLENCE IN SCIENCE PRIZES

## (MES AND MEIE)

### What do you see as the role of women in science and engineering?

The **Ministère de l'Enseignement supérieur (MES)** awards two prizes of \$5000 and five prizes of \$2000.

The **Ministère de l'Économie, de l'Innovation et de l'Énergie (MEIE)** also awards two prizes of \$5000 and five prizes of \$2000.

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) What solutions would you suggest for the societal challenges related to your field of studies? Describe these challenges and your suggested solutions.
- 2) Name a woman who stands out from the crowd in the field of science or engineering. Explain what inspires you about this woman and how that inspiration manifests in your journey.

### Additional information

To learn more about MEIE, go to its website [🔗](#).

To learn more about MES, go to its website [🔗](#).

# AGRICULTURE AND AGRI-FOOD PRIZE

(MAPAQ)

## Feet on the ground

The **Ministère de l'Agriculture, des Pêcheries et de l'Alimentation (MAPAQ)** awards a prize of \$2500 to a student enrolled in a program in one of the fields mentioned below.

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) How will the skills acquired in your training prepare you to work in the field of agriculture or agri-foods?
- 2) How are you currently involved in the field?

### Fields and programs eligible

- **Agricultural Engineering, Rural Engineering**
  - Bachelor's Degree in Agroenvironmental Engineering
  - Bachelor's Degree in Bioresource Engineering
- **Biological and Biomedical Engineering**
  - Bachelor's Degree in Biotechnology Engineering
- **Food Engineering**
  - Bachelor's Degree in Food Engineering

### Additional information

To learn more about MAPAQ and its previous prizewinners, go to its website [🌐](#).

# INDIGENOUS AND CULTURAL COMMUNITIES PRIZE

**(CSN)**

## Are you a member of an Indigenous or cultural community? Tell us your story.

The **Confédération des syndicats nationaux (CSN)**, in collaboration with the **Fédération nationale des enseignantes et des enseignants du Québec (FNEEQ)**, the **Fédération des employées et employés de services publics (FEESP)** and the **Fédération des professionnelles (FP)**, awards one prize of \$2000 to a student who is a member of an Indigenous or cultural community and who has chosen to practise a traditionally male-dominated occupation.

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) As a member of an Indigenous or cultural community, what obstacles have you had to face?
- 2) What motivated you to choose a traditionally male-dominated occupation?

### Additional information

To learn more about the CSN, go to its website [🔗](#).

## NETWORKING SKILLS PRIZE

**(MEIE)**

### The importance of a professional network for your career in science and engineering

The **Ministère de l'Économie, de l'Innovation et de l'Énergie (MEIE)** awards a prize of \$2500 to a student who demonstrates an ability to establish and maintain constructive and durable relationships with groups or associations.

#### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) Which organization(s) do you belong to (type of group or association, mission, activities, commitments, etc.) and what motivates you to be involved?
- 2) What are the tangible effects and impacts of your involvement on this or these groups, on your educational institution, on student life, on the field of activity, etc.?

#### Additional information

To learn more about MEIE, go to its website [🔗](#).

# ENVIRONMENT PRIZE

(MELCCFP)

## So it's important to you to care for the planet?

The **Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs (MELCCFP)** is also offering a \$2000 prize to student who is working toward improving environmental practices and fighting climate change.

### Questions

In addition to the answers to the general questions, the candidate's application package must contain the answers to the following questions (approximately 300 words for each answer):

- 1) In the last five years, what were the projects you completed, either personally or professionally, related to environmental protection or the fight against climate change?
- 2) Following your training, how do you think you will be able to contribute to the evolution of working methods related to the environment and the fight against climate change in the field or profession you have chosen?

### Additional information

To learn more about the MELCCFP and its previous prizewinners, go to its website [🌐](#).

## EQUITY PRIZE

**(FTQ)**

### Tell us your story

The **Fédération des travailleurs et travailleuses du Québec (FTQ)** awards a prize of \$2000 to a student who has chosen a traditionally male-dominated occupation and is involved in her community.

#### Questions

In addition to the answers to the general questions, the candidate's application package must contain the answers to the following questions (approximately 300 words for each answer):

- 1) What is the nature of your community involvement, and how important is it to you?
- 2) Why did you choose to train or retrain for a traditionally male-dominated occupation?
- 3) In your opinion, what obstacles will you face in taking your place in a traditionally male-dominated occupation? How do you intend to overcome them?
- 4) In your opinion, what can unions do to support female employees working in traditionally male-dominated fields or to help them remain in these jobs?

#### Please note

The FTQ jury reserves the right to transfer the prize to the Hats Off to You! contest if any of the requirements of the Excellence in Science contest are not met.

#### Additional information

To learn more about the FTQ, go to its website [FTQ](#).

# PROFESSIONAL EXPERTISE PRIZE

**(SPGQ)**

## For those who want to contribute to the future of Québec society

The **Syndicat de professionnelles et professionnels du gouvernement du Québec (SPGQ)** is offering a \$3000 prize to a woman pursuing training in a non-traditional field and who would like to occupy a professional position within the public administration.

### Questions

In addition to the answers to general questions, the candidate's submission must include answers to the following questions (approximately 300 words for each answer):

- 1) What are your reasons for wanting to work in public administration? What aspect of this work interests you?
- 2) What professional project would you like to complete in public administration?
- 3) Describe a work or project that you successfully completed. How does this work or project show that you would be a good candidate for a position in public administration?

### Additional information

To learn more about the SPGQ, go to its website [🔗](#).

## SHOWCASE YOUR REGION! PRIZE

**(MAMH)**

### Do you want to help raise the profile of your region?

The **Ministère des Affaires municipales et de l'Habitation (MAMH)** awards a prize of \$2000 to a student enrolled in one of the programs eligible for the contest. The prize will be awarded to the candidate who has best demonstrated how her involvement in her community, training and future career could help promote her municipality or region.

#### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) How will the competencies you acquired during your training enable you to contribute to the social and/or economic development of your region?
- 2) What is motivating you to contribute to promoting your region? Share some examples of your involvement in your community.

#### Additional information

To find out more about the MAMH, go to its website (in French only) [🔗](#).



# EMPLOYMENT PROSPECTS PRIZE

(MES)

## Have you chosen a program that focuses on the future?

The **Ministère de l'Enseignement supérieur (MES)** awards a prize of \$2000 to a student enrolled in a traditionally male-dominated program that offers the best employment prospects and in which an increase in enrolment is advisable in order to fill the available jobs.

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) What do you think are the best promotional tools to encourage women to choose a program of study that offers them the best employment prospects?
- 2) Describe a project that you carried out as part of your training and that showcases your program of study. How did you (or will you) make this project a success?

### Fields and programs eligible<sup>2</sup>

- **Civil, Building and Transportation Engineering**
  - Bachelor's Degree in Building Engineering
  - Bachelor's Degree in Civil Engineering
  - Bachelor's Degree in Construction Engineering
  - Bachelor's Degree in Water Engineering
- **Computer Engineering and Construction of Computers**
  - Bachelor's Degree in Computer Engineering
  - Bachelor's Degree in Computer and Electronic Systems
- **Chemical Engineering**
  - Bachelor's Degree in Chemical Engineering
- **Electrical, Electronic and Communications Engineering**
  - Bachelor's Degree in Electrical Engineering
  - Bachelor's Degree in Electromechanical Engineering
  - Bachelor's Degree Electromechanical Systems Engineering
  - Bachelor's Degree in Information Technologies Engineering
  - Bachelor's Degree in Microelectronic Engineering
  - Bachelor's Degree in Robotics Engineering
- **Food Engineering**
  - Bachelor's Degree in Food Engineering
- **Forestry Engineering, Forestry and Wood Sciences (silviculture)**
  - Bachelor's Degree in Forest Operations
  - Bachelor's Degree in Forest and Environmental Management
  - Bachelor's Degree in Wood Engineering
- **Geological Engineering**
  - Bachelor's Degree in Geology
  - Bachelor's Degree in Geological Engineering
- **Geomatics (surveying)**
  - Bachelor's Degree in Geomatics Engineering
  - Bachelor's Degree in Geomatics Sciences
- **Industrial and Management Engineering**
  - Bachelor's Degree in Automated Production Engineering
  - Bachelor's Degree in Industrial Engineering
  - Bachelor's Degree in Operations Engineering and Logistics
- **Information Sciences**
  - Bachelor's Degree in Bioinformatics
  - Bachelor's Degree in Business Computing
  - Bachelor's Degree in Computer Science
  - Bachelor's Degree in Computer Science and Software Engineering
  - Bachelor's Degree in Imaging Science and Digital Media
  - Bachelor's Degree in Multimedia and Video Games Sciences
  - Bachelor's Degree in Software Engineering

2. Note that the selected programs of study are included in the promising trades and occupations.

- **Mechanical Engineering**
  - Bachelor's Degree in Mechanical Engineering
- **Mining Engineering**
  - Bachelor's Degree in Mining Engineering
  - Bachelor's Degree in Mining and Mineral Engineering
- **Physical Sciences**
  - Bachelor's Degree in Physics

### **Additional information**

To learn more about the promising trades and occupations, go to this website [🔗](#).

## INSPIRING ENGINEER PRIZE

**(FOIQ)**

### **For those who contribute to the promotion of women in engineering**

The **Fondation de l'Ordre des ingénieurs du Québec (FOIQ)** awards one prize of \$2000 to a woman whose engagement and concrete actions encourage other women to pursue a career in engineering.

#### **Question**

In addition to answers to the general questions, the candidate's application package must include the answer to the following question (approximately 300 words):

- 1) As an aspiring engineer, what steps are you currently taking or have you taken in the past to encourage other young women to pursue a career in engineering?**

#### **Additional information**

To learn more about the FOIQ, go to its website [FOIQ](#).

# PERSEVERANCE PRIZE

(CSQ)

## For those who never gave up

The **Centrale des syndicats du Québec (CSQ)** awards a prize of \$2000 to a student who has shown the most perseverance in training for a traditionally male-dominated occupation.

This award recognizes perseverance in the achievement of career goals. (Note that it is not designed to reward those who have overcome physical or social handicaps.) Candidates must demonstrate their perseverance by describing what they had to do to overcome the obstacles related to the chosen traditionally male-dominated occupation.

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) While making a place for yourself in a male-dominated program of study, what obstacles did you encounter, and how did you overcome them to reach your professional goals? Describe your experience.
- 2) Female role models in male-dominated trades and occupations often influence other women in their career choice. Your own example of perseverance could one day become a source of inspiration. Has the idea of becoming such a role model ever crossed your mind?

### Additional information

To learn more about the CSQ, go to its website [CSQ](#).

## NEXT GENERATION PRIZE

**(MEIE)**

### Making her mark right from the start

The **Ministère de l'Économie, de l'Innovation et de l'Énergie (MEIE)** awards a prize of \$3000 to a first-year student enrolled in one of the programs selected for the contest.

#### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) Describe a work or project that you completed outside of your program of study that shows your interest and passion for science and technology.
- 2) In your opinion, what are the most effective actions to take to get girls interested in science and technology?

#### Additional information

To learn more about MEIE, go to its website [🌐](#).

# NATURAL RESOURCES AND FORESTS PRIZES

**(MRNF)**

## Are you passionate about natural resources and forests?

The **Ministère des Ressources naturelles et des Forêts (MRNF)** is offering two prizes of \$2000 each, one to a woman who is enrolled as a student in vocational training and the other to a woman who is enrolled as a student in technical training. They must be enrolled in one of the eligible programs of study listed below.

The MRNF is offering two prizes of \$2000 to two female students enrolled in one of the eligible fields or programs of study listed below.

### Questions

In addition to the answers to general questions, the candidate's submission must include answers to the following questions (approximately 300 words for each answer):

- 1) How will the competencies acquired in your training prepare you to work in the field of natural resources and forests?
- 2) How are you currently involved in these fields?
- 3) In your opinion, what issues will you face in your field after you complete your training?

### Fields and programs eligible

- **Agricultural Engineering, Rural Engineering**
  - Bachelor's Degree in Agroenvironmental Engineering
  - Bachelor's Degree in Bioresource Engineering
- **Biological and Biomedical Engineering**
  - Bachelor's Degree in Biotechnology Engineering
- **Chemical Engineering**
  - Bachelor's Degree in Chemical Engineering
- **Civil, Building and Transportation Engineering**
  - Bachelor's Degree in Water Engineering
- **Electrical, Electronic and Communications Engineering**
  - Bachelor's Degree in Electrical Engineering
  - Bachelor's Degree in Electromechanical Engineering
  - Bachelor's Degree in Electromechanical Systems Engineering
  - Bachelor's Degree in Information Technologies Engineering
  - Bachelor's Degree in Microelectronic Engineering
  - Bachelor's Degree in Robotics Engineering
- **Forestry Engineering, Forestry and Wood Sciences (silviculture)**
  - Bachelor's Degree in Forest Operations
  - Bachelor's Degree in Forest and Environmental Management
  - Bachelor's Degree in Wood Engineering
- **Geological Engineering**
  - Bachelor's Degree in Geology
  - Bachelor's Degree in Geological Engineering
- **Geomatics (surveying)**
  - Bachelor's Degree in Geomatics Engineering
  - Bachelor's Degree in Geomatics Sciences

- **Industrial and Management Engineering**
  - Bachelor's Degree in Automated Production Engineering
  - Bachelor's Degree in Industrial Engineering
  - Bachelor's Degree in Operations Engineering and Logistics
- **Materials and Metallurgical Engineering**
  - Bachelor's Degree in Materials and Metallurgical Engineering
- **Mechanical Engineering**
  - Bachelor's Degree in Mechanical Engineering
  - Bachelor's Degree in Robotics Engineering
- **Mining Engineering**
  - Bachelor's Degree in Mining Engineering
  - Bachelor's Degree in Mining and Mineral Engineering
- **Physical Sciences**
  - Bachelor's Degree in Physics

### **Additional information**

To learn more about MRNF, go to its website [🌐](#).

# TRANSPORTATION PRIZE

(MTMD)

## Do you have a driving passion?

The **Ministère des Transports et de la Mobilité durable (MTMD)** awards a prize of \$2000 to a student enrolled in one of the fields or programs listed below.

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (approximately 300 words for each answer):

- 1) In your opinion, what is the main challenge related to sustainable transit in the transportation sector today?
- 2) How has your training prepared you to meet this challenge?

### Fields and programs eligible

- **Aerospatial, Aeronautical and Astronautical Engineering**
  - Bachelor's Degree in Aerospatial Engineering
- **Civil, Building and Transportation Engineering**
  - Bachelor's Degree in Building Engineering
  - Bachelor's Degree in Civil Engineering
  - Bachelor's Degree in Construction Engineering
  - Bachelor's Degree in Water Engineering
- **Electrical, Electronic and Communications Engineering**
  - Bachelor's Degree in Electrical Engineering
  - Bachelor's Degree in Electromechanical Engineering
  - Bachelor's Degree in Electromechanical Systems Engineering
  - Bachelor's Degree in Information Technologies Engineering
  - Bachelor's Degree in Microelectronic Engineering
  - Bachelor's Degree in Robotics Engineering
- **Geological Engineering**
  - Bachelor's Degree in Geology
  - Bachelor's Degree in Geological Engineering
- **Geomatics (surveying)**
  - Bachelor's Degree in Geomatics Engineering
  - Bachelor's Degree in Geomatics Sciences

### Additional information

To learn more about the MTMD, go to its website [🌐](#).



# WORK PLACEMENT IN A LABORATORY IN FRANCE

## (CNRS AND LOJIQ)

### Learn about research at the CNRS

The *Mission pour la place des femmes* at the **Centre national de la recherche scientifique (CNRS)** and **Les Offices jeunesse internationaux du Québec (LOJIQ)** award a work placement in the CNRS laboratories in France.

The winner will be offered a work placement in a CNRS laboratory specializing in her field of study and her preferred subjects. The trainee will be given an allowance to cover her living costs abroad.

To assist the winner in taking up her work placement trip abroad, LOJIQ will also provide a travel grant of \$1500 to offset the following expenses:

- round-trip air transportation (to and from Québec)
- travel medical insurance and emergency medical care for her entire stay abroad
- living expenses

If applicable, the winner may also receive:

- a flat-rate allowance to enable participants from remote regions to travel to the nearest airport in Québec to take their flight
- civil liability insurance obtained and paid for by LOJIQ

The winner must join the Fondation LOJIQ and pay the \$25 fee, which will enable her to enjoy a number of benefits (excess baggage on the airplane, insurance, etc.). Payment of this fee is mandatory in order to receive the travel grant.

The work placement will take place in the laboratory of the student's choice, will last two to three months and must take place between September 2023 and August 2024. The total value of the practicum is about \$4000 for a three-month stay.

### Did you know . . .

The Centre national de la recherche scientifique is the largest public research organization in Europe. It has more than 1 100 laboratories throughout France and employs more than 34 000 technicians, engineers and researchers working in a variety of professions and scientific fields.

### Specific conditions

In order to be eligible for this prize, candidates must meet the following conditions:

- be between 18 and 35 years of age at the time of the work placement
- be Canadian citizens or permanent residents
- have resided in Québec for at least one year
- hold a valid Québec health insurance card (RAMQ)

### Questions

In addition to the answers to the general questions, the candidate's application package must include the answers to the following questions (a maximum of one page):

- 1) What are your reasons for wanting a work placement in a CNRS lab in France?
- 2) What impact do you anticipate this placement will have on your personal and professional development?
- 3) How would you describe your ideal work placement?

### Additional information

To learn more about the CNRS and the Mission pour la place des femmes, go to [www.cnrs.fr/mpdf](http://www.cnrs.fr/mpdf).

To learn more about LOJIQ and its previous winners, go to its website [LOJIQ](#).

## FIELDS AND PROGRAMS ELIGIBLE FOR THE 2022-2023 EXCELLENCE IN SCIENCE CONTEST

- **Aerospatial, Aeronautical and Astronautical Engineering**
  - Bachelor's Degree in Aerospatial Engineering
- **Agricultural Engineering, Rural Engineering**
  - Bachelor's Degree in Agroenvironmental Engineering
  - Bachelor's Degree in Bioresource Engineering
- **Biological and Biomedical Engineering**
  - Bachelor's Degree in Biomedical Engineering
  - Bachelor's Degree in Biotechnology Engineering
- **Chemical Engineering**
  - Bachelor's Degree in Chemical Engineering
- **Civil, Building and Transportation Engineering**
  - Bachelor's Degree in Building Engineering
  - Bachelor's Degree in Civil Engineering
  - Bachelor's Degree in Construction Engineering
  - Bachelor's Degree in Water Engineering
- **Computer Engineering and Construction of Computers**
  - Bachelor's Degree in Computer Engineering
  - Bachelor's Degree in Computer and Electronic Systems
- **Electrical, Electronic and Communications Engineering**
  - Bachelor's Degree in Electrical Engineering
  - Bachelor's Degree in Electromechanical Engineering
  - Bachelor's Degree in Electromechanical Systems Engineering
  - Bachelor's Degree in Information Technologies Engineering
  - Bachelor's Degree in Microelectronic Engineering
  - Bachelor's Degree in Robotics Engineering
- **Engineering Physics**
  - Bachelor's Degree in Engineering Physics
- **Food Engineering**
  - Bachelor's Degree in Food Engineering
- **Forestry Engineering, Forestry and Wood Sciences (silviculture)**
  - Bachelor's Degree in Forest Operations
  - Bachelor's Degree in Forest and Environmental Management
  - Bachelor's Degree in Wood Engineering
- **Geological Engineering**
  - Bachelor's Degree in Geology
  - Bachelor's Degree in Geological Engineering
- **Geomatics (surveying)**
  - Bachelor's Degree in Geomatics Engineering
  - Bachelor's Degree in Geomatics Sciences
- **Industrial design**
  - Bachelor's degree in Graphic Design
  - Bachelor's degree in Industrial Design
  - Bachelor's degree in Product Design
- **Industrial and Management Engineering**
  - Bachelor's Degree in Automated Production Engineering
  - Bachelor's Degree in Industrial Engineering
  - Bachelor's Degree in Operations Engineering and Logistics
- **Information Sciences**
  - Bachelor's Degree in Bioinformatics
  - Bachelor's Degree in Business Computing
  - Bachelor's Degree in Computer Science
  - Bachelor's Degree in Computer Science and Software Engineering
  - Bachelor's Degree in Imaging Science and Digital Media
  - Bachelor's Degree in Multimedia and Video Games Sciences
  - Bachelor's Degree in Software Engineering
- **Materials and Metallurgical Engineering**
  - Bachelor's Degree in Materials and Metallurgical Engineering
- **Mechanical Engineering**
  - Bachelor's Degree in Mechanical Engineering
- **Mining Engineering**
  - Bachelor's Degree in Mining Engineering
  - Bachelor's Degree in Mining and Mineral Engineering
- **Physical Sciences**
  - Bachelor's Degree in Physics
- **Multidisciplinary studies**
  - Mathematics-Computer Science
  - Mathematics-Physics

\*The titles of the bachelor's degree programs listed above are provided for information purposes. The exact titles of some degree programs may vary from one university to another.

## QUESTIONS? – EXCELLENCE IN SCIENCE

### **When does the contest close?**

March 3, 2023.

### **How can I submit an application package?**

The application package must be submitted by completing the online registration form.

### **Am I eligible for the 2022-2023 contest if I graduated in fall 2022?**

Candidates can enter the 2022-2023 contest if they are registered as full-time students during the current school year (fall 2022 and winter 2023). For example, a student who obtained a diploma in December 2022 can submit her application.

### **Can I fail in one or more subjects and still take part in the contest?**

Candidates who have failed in more than two subjects during their last school term are not eligible for the contest. However, failure on an initial examination and success on the make-up examination does not constitute failure for the purposes of the contest.

### **Can I participate in the contest if I am a previous winner?**

In order to become eligible once again, candidates must have changed programs of study and at least three years must have gone by since they won.

### **Can I apply for several prizes?**

Yes, provided that all the additional questions specific to each prize are answered.

### **Can I have someone help me answer the five general questions?**

Yes. In fact, it is recommended that candidates have someone read over their text. We often underestimate our ability to talk about ourselves. But it's worth taking a risk to reap the rewards of your perseverance!

### **What criteria are used to select the winners?**

Application packages will be assessed according to the following criteria:

- submission of a complete application package
- quality of the presentation
- clarity of the answers provided
- authenticity and persuasiveness of the answers
- relevance of the candidate's reasons for entering the contest
- favourable recommendation from the educational institution
- academic performance (a candidate cannot have failed more than two subjects in their last school term)

### **Can a jury change the way in which a prize is awarded?**

The members of the jury reserve the right to transfer the prizes announced in the Hats Off to You! contest or the Excellence in Science contest if the applications submitted do not meet the stated criteria.

### **Who selects the winners?**

The winners are chosen by committees made up of contest partners from the education, work and business communities, under the responsibility of the Ministère de l'Enseignement supérieur.

**When are the prizes awarded?**

Provincial prizes will be awarded in June 2023.

**Note**

A program of study is eligible if, according to the National Occupational Classification (NOC), women represent less than 33 1/3% of the work force in the corresponding trade or occupation.

**For more information**

Go to [Québec.ca](https://quebec.ca) 📄



or email [chapeaulesfilles@education.gouv.qc.ca](mailto:chapeaulesfilles@education.gouv.qc.ca).


## 2022-2023 PARTNERS


Centrale des syndicats du Québec (CSQ) 

Centre national de la recherche scientifique (CNRS) 


Confédération des syndicats nationaux (CSN) 

in collaboration with the Fédération nationale des enseignantes et des enseignants du Québec (FNEEQ) ,  
the Fédération des professionnelles (FP) 


and the Fédération des employées et employés de services publics (FEESP) 


Fédération des travailleurs et travailleuses du Québec (FTQ) 

Fondation de l'Ordre des ingénieurs du Québec (FOIQ) 

Les Offices jeunesse internationaux du Québec (LOJIQ) 

Ministère de l'Agriculture, des Pêcheries et de l'Alimentation (MAPAQ) 


Ministère de l'Économie, de l'Innovation et de l'Énergie (MEIE) 

Ministère des Ressources naturelles et des Forêts (MRNF) 

Ministère de l'Environnement, de la Lutte contre les changements climatiques,  
de la Faune et des Parcs (MELCCFP) 

Ministère des Affaires municipales et de l'Habitation (MAMH) 

Ministère des Transports et de la Mobilité durable (MTMD) 

Syndicat de professionnelles et professionnels du gouvernement du Québec (SPGQ) 



@chapeaulesfilles

