

# 2019 CEMC Workshop in Computer Science for Young Women



## What is the goal?

To ignite enthusiasm for Computer Science in young women with little or no previous exposure to computer science.

## Who is it for?

We welcome applicants who are female or another gender identity under-represented in computer science\*. Applicants must be in grade 9 and 10, have an interest in mathematics, and currently attend a Canadian high school or middle school. Participants should not have attended any similar workshop.

## Dates and Location

Saturday, May 11 to Saturday May 18, 2019 at the University of Waterloo, Waterloo, Ontario.

## How much does it cost?

There is a \$150 registration fee to be paid after invited applicants have received their confirmation package

- Accommodations, meals and other expenses for the week are included at no extra cost.
- Air fare expenses will also be paid by the CEMC.

## How do I apply?

**All applications must be submitted using our online application system.**

1. We are looking for applicants who enjoy problem-solving and are excited by new ideas but have little or no previous exposure to computer science. Write a short essay (1000-1500 characters, full sentences and paragraphs) about why you would be a good candidate. Don't be afraid to brag about yourself!
2. Ask your Math, Science or Computing teacher to fill out an on-line reference form for you. When you apply, you will receive a URL that your teacher can use to fill out the reference form.
3. Visit [www.csgirlsrock.ca](http://www.csgirlsrock.ca) to fill in your application and submit your essay.

## What is the timeline for online applications?

- Monday, February 25, 2019 Applications must have been received by the CEMC.
- Thursday, March 22, 2019 Acceptances are emailed to invited applicants by this date.

## What will I learn?

Lectures, labs, and hands-on activities typically investigate ideas demonstrating the breadth of Computer Science. For example, this might include introductions to cryptography, Bioinformatics, Internet search engines, graphics, human-computer interaction and hardware. All sessions are lead by university professors and graduate students.

## Who is selected?

We typically receive more qualified applicants than spots available. We review all applications carefully and we use lotteries to select from among similarly-qualified applicants. We are looking for participants with an interest in mathematics but little or no previous exposure to computer science. It is rare for two students from the same school to be selected.

## \*Why this audience?

Computer science is a powerful tool, and gender diversity among computer scientists increases the potential for positive impact.

## Where can I get more information?

E-mail [csgirls@uwaterloo.ca](mailto:csgirls@uwaterloo.ca) or visit [www.csgirlsrock.ca](http://www.csgirlsrock.ca). More details will be mailed out to those who are accepted.