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Women in Engineering and IT Ambassadors

The Faculty of Engineering and Design at Carleton University is committed to initiatives which support women in engineering, IT and design at every step along their journey. Too often, female students in high school do not view STEM as a viable academic and career path. Changing perceptions and fostering interest in engineering, technology and innovation among young people in our community is a top priority for us. The professional women in engineering and IT of tomorrow are beginning their unique journeys today and will become the next generation of leaders of industry, contributing to a larger, qualified and diverse workforce. **THANK YOU to the volunteers who make our work possible and impactful.**
Academic Achievements

As we reflect on the 2019-2020 year, we are delighted to see all the hard work of our volunteers, faculty and staff translate into milestone accomplishments. In 2019/20, the overall high school average of all applicants to Carleton’s Bachelor of Engineering was 87.5%. However, the overall high school average among female applicants was 89.3%. The Faculty was also delighted to offer 11 awards with a preference for female students this past academic year. Some other impressive stats are highlighted below.

- **25%**
  Increase in female enrollment in our engineering and IT programs in the past five years.

- **22%**
  Of current undergraduate and graduate engineering and IT students are female.

- **10**
  New female faculty members have joined the Faculty of Engineering and Design in the past academic year.

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From Textbook to Tarmac
Daphne Ong Reflects on Biomedical Engineering at Carleton

PhD Graduate’s Medical Imaging Research Wins Prestigious Medal

Carleton Records Canada’s Biggest Increase in Research Income Among Comprehensive and Medical Universities
Noteworthy Events

Over the course of the 2019-2020 academic year we hosted five events dedicated to advancing the discussion around supporting women in engineering and IT. This includes: our Breakthrough Breakfast, LEAP, Rev Up and our Male Allyship Panel. We welcomed almost 290 attendees to these events and ensured all panels were gender balanced.

“Whether it’s through the programs that Carleton offers for youth or to prepare women before they enter the industry, I think that Carleton is providing role models for those students, especially for those women that are going into a career that is typically male-dominated.” — Cynthia Cruickshank, Associate Professor, Department of Mechanical and Aerospace Engineering
On December 6, 2019, we organized a National Day of Remembrance commemoration ceremony on campus with participation from faculties and services across the university. Carleton President Benoit-Antoine Bacon spoke to faculty, staff and students to honour lives of 14 women that were violently taken and all those who continue to experience gender violence.

WE REMEMBER

Virtual Ventures, a non-profit organization housed at Carleton University with the goal of promoting engineering and technology to youth in Ottawa, continues to make a meaningful and measurable impact on engaging young girls.

Of campers who registered from 2007-2018 (now eligible to attend university) enrolled at Carleton this past academic year.

Of those students enrolled in STEM programs and 20% were female.

Each and every photo featured in this report is part of a growing list of stories of women who are part of the Faculty of Engineering and Design's community, who have attained a noteworthy accomplishment in the 2019-2020 academic year. Click the hyperlink under each photo to read more about the study. For additional features, visit our website.