

State of the

FACULTY OF ENGINEERING Address



November 2016

Report for Academic Year 2015-2016

Graduate Studies

- We are focused on recruiting excellent doctoral students into our programs, by increasing tuition bursaries, improving degree completion times through changed course loads, and more targeted recruitment initiatives like the Dean's PhD Excellence Award.
 - Admissions as of Sept 2016 shows an increase by 130% domestic and 40% international compared to last year.
- First year of the new Career Planning requirement for all incoming students was overwhelmingly well received. This is an important part of our strategy to increase exposure to professional skills throughout a student's time at McMaster.

Graduate Studies – Professional Skills

- Career Development and Relationship Office has held 335 personal consultations with graduate students on career planning, resume/cover letter critiques, interview and networking skills, and job search strategies.
- Workshops delivered on writing an effective cover letter/resume, effective job search strategies, and career planning
- Set up a graduate student-specific OSCAR plus website tool for students to access Masters/PhD specific job opportunities and events.
- Secured interest from 226 employers in graduate student work experience option of which 51 provided specific opportunities.
- Students have secured work terms and full-time positions with Microsoft, RBC, Synaptive Medical, Ranovus, GeoTab, BMO, Shawcor, Amec Foster Wheeler, EXP, Deloitte.

Engineering Graduate Society (EGS)

- **METRIC 2016** – Held at MIP as a one day event
 - 150 attendees, more than doubled last year's attendance
 - Workshops on research and professional development
 - Tours of MARC and CANMET
- **SPICES** recipients – awarded funding by the School of Graduate Studies to organize a campus-wide video competition to highlight research at McMaster.

Program Reviews

- School of Engineering Practice and Technology's graduate programs were reviewed.
- Civil Engineering is next up for review this year.

Scholarships – NSERC

- An FDA workshop was held this summer to assist students in applying for Banting and Vanier Scholarships
- Doctoral scholarship still awarded by Tri-Council committees in a Canada wide competition
 - 2014 – Engineering received 4 and Science 22
 - 2015 – Engineering received 9 and Science 36
 - 2016 – Engineering received 7 and Science 17
- Master's CGS scholarships selected by a central committee
 - Engineering received 5 and Science 17

Scholarships

Dean's PhD Excellence Award

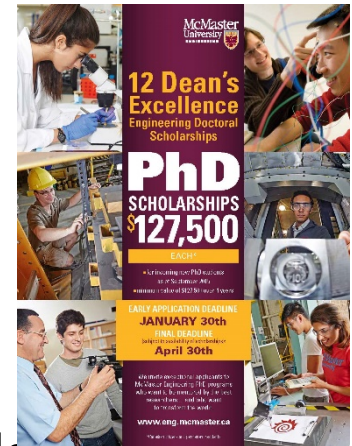
- Six awardees for this year's competition, 67% were recruited from our undergraduate programs or other universities.

International

- Ontario Graduate Scholarship and Ontario Trillium Awards for top international scholars
 - Engineering currently hold one of each

Gender Equity in Engineering Travel Award

- * One awardee for 2016



Industrial PhD option

- Newly approved, one student currently enrolled in the program
- Offers students who are currently employed full time in industry to pursue the research component in their degree requirement at their employer's facilities
- A path to improve the time to completion, with a memorandum of understanding signed by all parties to outline a clear path for success.