

Graduate Funding

Faculty of Engineering

May 4, 2023



Enrollment Contributions

- Engineering is unique among the six Faculties based on its graduate student population (Nov 2022 data)
 - PhD: 483 (31% domestic/69% international)
 - MASc: 225 (52% domestic/48% international)
 - MEng: 316 (20% domestic/80% international)
- Only domestic students attract government core grants for being enrolled.
- Engineering is taxed by the provincial government per international student
- Engineering contributes significant financial resources to equalize the tuition for international PhDs
- About \$4M is specifically directed to the Graduate Studies Scholarship
- As a result, operational research expenses for a students' studies and student scholarships are heavily reliant upon research funding.

Research Grants and Industrial Money

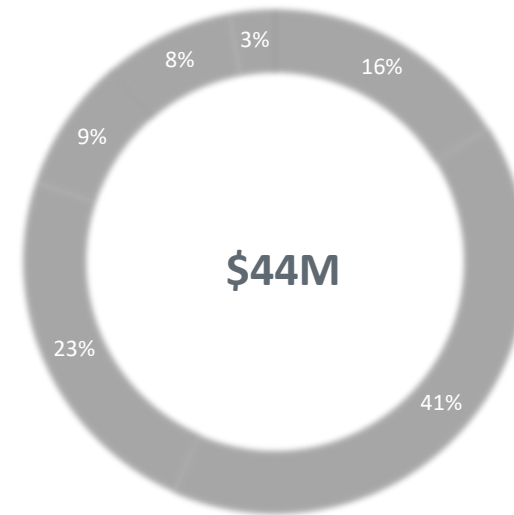
84% of the research funds are operational grants

16% of the research funds are given for new research instruments, equipment, and infrastructure.

60% of the operational grants are governed by an agreement with a corporate sponsor, having milestones and deliverables associated with them for the continuation of being funded

80% of those operational grants are directed to student scholarships, and salaries for post doctoral fellows and research staff

Engineering Research Funds



CFI Canadian Federal Corporate Ontario Provincial Not-for-Profit Other Sources

Graduate Student Funding Package

- Majority of funding (73%) offered to research graduate students (PhD, MASc) is a scholarship, given to attract a student to carry out their degree-based studies in a faculty member's research team, in most cases must contribute to the industrial-initiated milestones linked to the given research grant
- All research students (except for a few international students with high-value foreign scholarships) are employed for 10 h/wk for one term per year as a TA; students in departments providing service teaching will have more opportunities to TA per year
- Minimum funding – PhD: tuition + \$17500 (under discussion in the Faculty to rise soon); MASc: no minimum (a minimum for the Faculty is under discussion)
- Course based students have no research supervisor and do not contribute to the research mission of the Faculty. They may receive an entrance scholarship and may be offered TAs if available.

Graduate Student Funding Range

- The table below shows the sum of scholarships and employment income received by Engineering graduate students for 2021/2022 after tuition was paid to the university for their degree program.
- Each department has its own minimum level of funding corresponding to the discipline (above the Faculty’s minimum) that aligns with the typical amounts received by its faculty members as research grants (though most departments pretty similar to one another).

			Count	P25	Median	P75
ENGINEERING	Doctoral	TOTAL Domestic/Visa IN-TIME	458	\$19,374	\$21,955	\$27,646
ENGINEERING	Doctoral	TOTAL Domestic/Visa FIFTH-YEAR	73	\$10,898	\$20,201	\$27,665
ENGINEERING	Doctoral	TOTAL Domestic/Visa OVER-TIME	34	-\$1,832	\$3,436	\$13,389
ENGINEERING	MASc	TOTAL Domestic/Visa YEAR 1	153	\$5,231	\$14,665	\$18,396
ENGINEERING	MASc	TOTAL Domestic/Visa YEAR 2+	154	\$1,377	\$14,173	\$21,450

Funding Break-Down for Engineering

- § SGS/Dept (7%) refers to the Graduate Studies Scholarship described on Slide 2, given by the department for MAsC, PhD
 - Given as an entrance scholarship for MEng
- § Scholarship (16%) refers to external scholarship like OGS, CGS, etc. Includes international scholarships.
- § Employment (27%) refers to the one term/yr TA that every student is guaranteed to receive. Some departments have greater need for TAs and those students may get two terms/yr TA. Some professor will employ students for contract work as well.
- § Research (50%) refers to the research scholarship given by a supervisor

