

VISION 2015:
Building on Excellence
Undergraduate Student Town Hall

WATERLOO
ENGINEERING

engineering.uwaterloo.ca

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overview

- aspiration & key priorities
- planning process
- draft plan highlights
- undergraduate studies data
- undergraduate studies targets
- undergraduate studies objectives
- questions & feedback

aspiration

Waterloo Engineering aspires to be a **truly world-class school of engineering.**

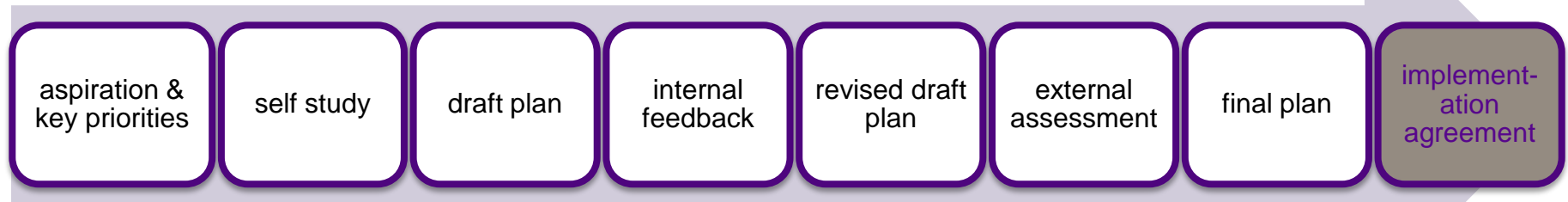
The programs we offer, the students we graduate, and the solutions we develop will be sought after by outstanding students, employers, employees and partners.

key priorities

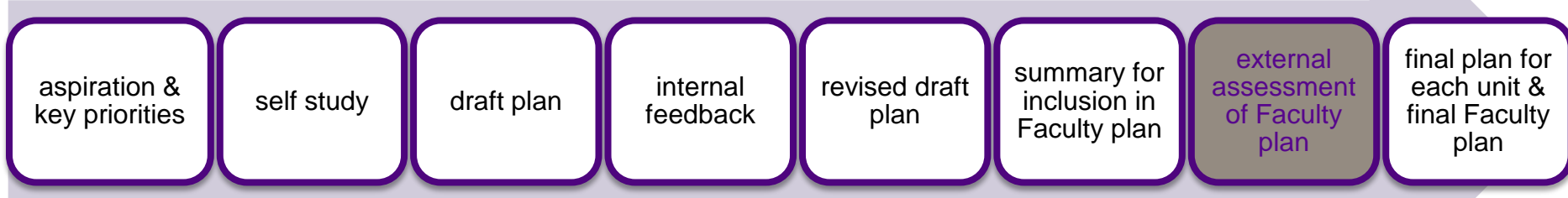
- Attracting, engaging and retaining outstanding **people**: undergraduate students, graduate students, faculty & staff
- Committing to excellence in academic **programs & services**
- Undertaking high-impact **research**, both within and across the disciplines and spanning the theoretical to the practical
- Building **connections** and promoting **collaboration**
- Fostering **innovation & entrepreneurship**
- Providing the world-class **facilities** required to support excellence in education & research

planning process

academic units



administrative units



draft plan highlights

◆ Faculty & Staff

- Increase faculty strategically: +20%
- Increase staff to appropriate levels: +25%
- Recognize excellence
- Improve internal communications
- Establish a culture of service excellence
- Support professional development
- Fully engage all faculty

draft plan highlights

◆ Graduate Studies

- Strategically increase grad student intake: +44%
 - Introduce new programs and invest in recruitment
- Improve the graduate program
 - Foster consistently high quality supervision
 - Improve course offerings and academic rigour
- Enhance the graduate student experience
 - Waterloo Engineering Graduate Student Association
- Improve operations and service

draft plan highlights

◆ Research

- Increase research funding: +33%
 - Increase average funding/TTS faculty: +10%
- Establish a shared commitment
 - Improve industrial relations
 - Support and motivate increased activity
- Eliminate barriers
- Celebrate excellence

draft plan highlights

◆ Entrepreneurship

- Enhance initiatives to foster entrepreneurial activity and innovation

◆ Outreach & Diversity

- Expand outreach programs
- Increase the participation of women
- Build an inclusive atmosphere

draft plan highlights

◆ Internationalization

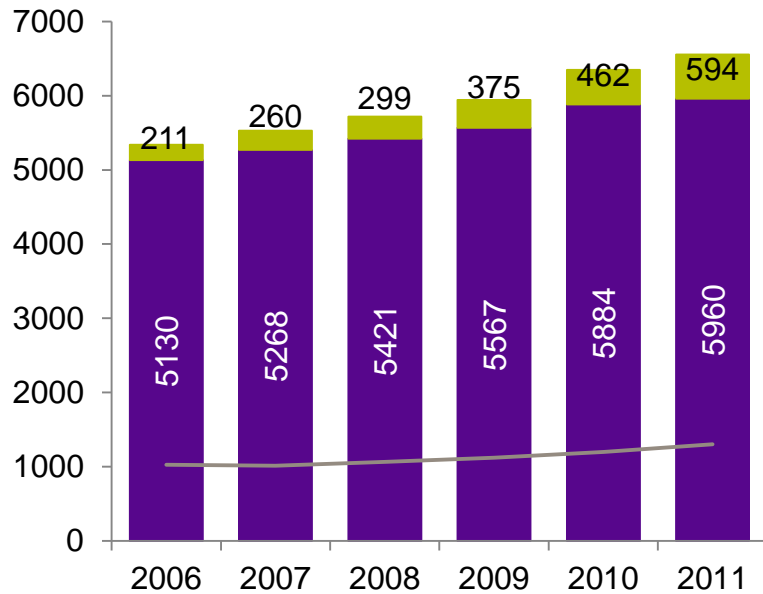
- Increase international experience opportunities for undergraduates
- Increase international research and graduate studies collaborations
- Support the ongoing development of UAE campus programs
 - Increase international student intake

draft plan highlights

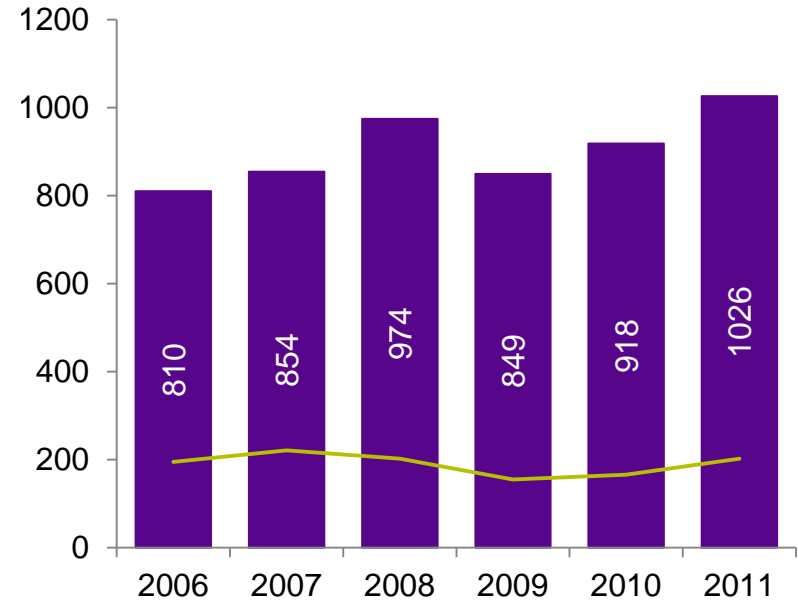
- ◆ Supporting the Plan
 - Faculty & Staff Positions
 - Budget
 - Space
 - Two new buildings (E7&E8) and DWE renovation
 - Technology
 - Advancement
 - Fundraising, strategic communications & marketing

undergraduate studies data

Undergraduate Enrolment Over Time



Undergraduate Degrees Granted Over Time

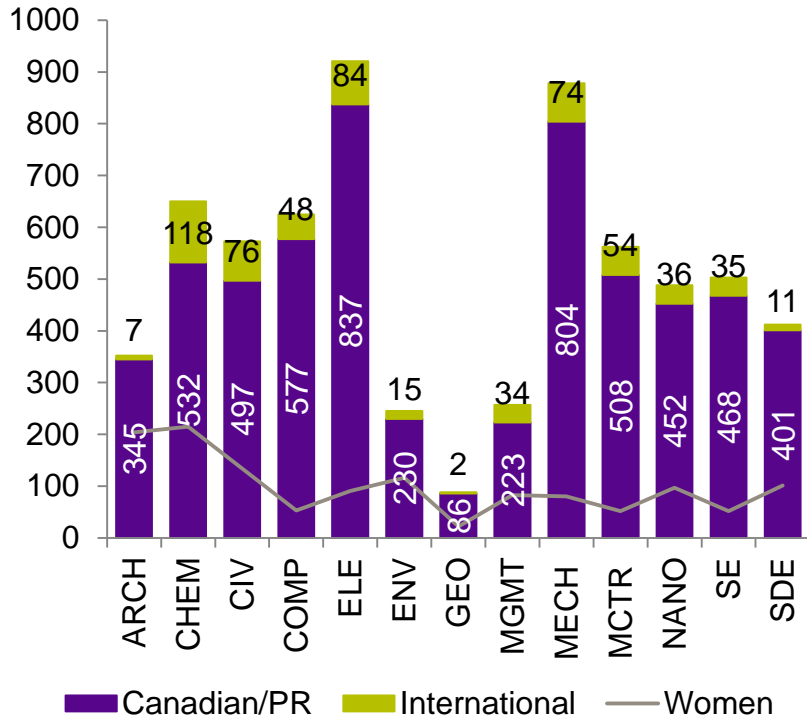


Canadian/PR International Women

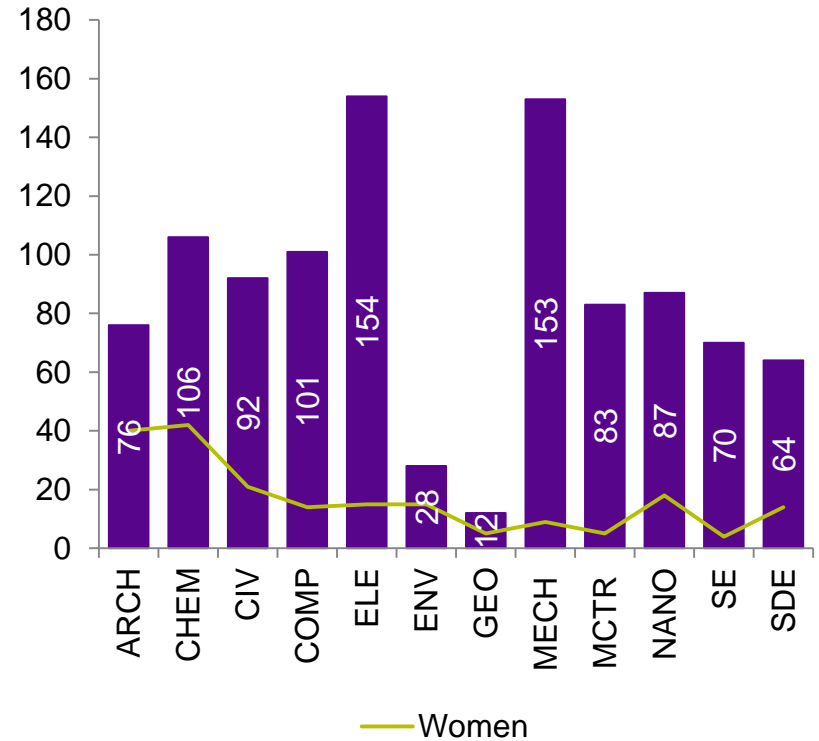
Women

undergraduate studies data

Undergraduate Enrolment, Fall 2011

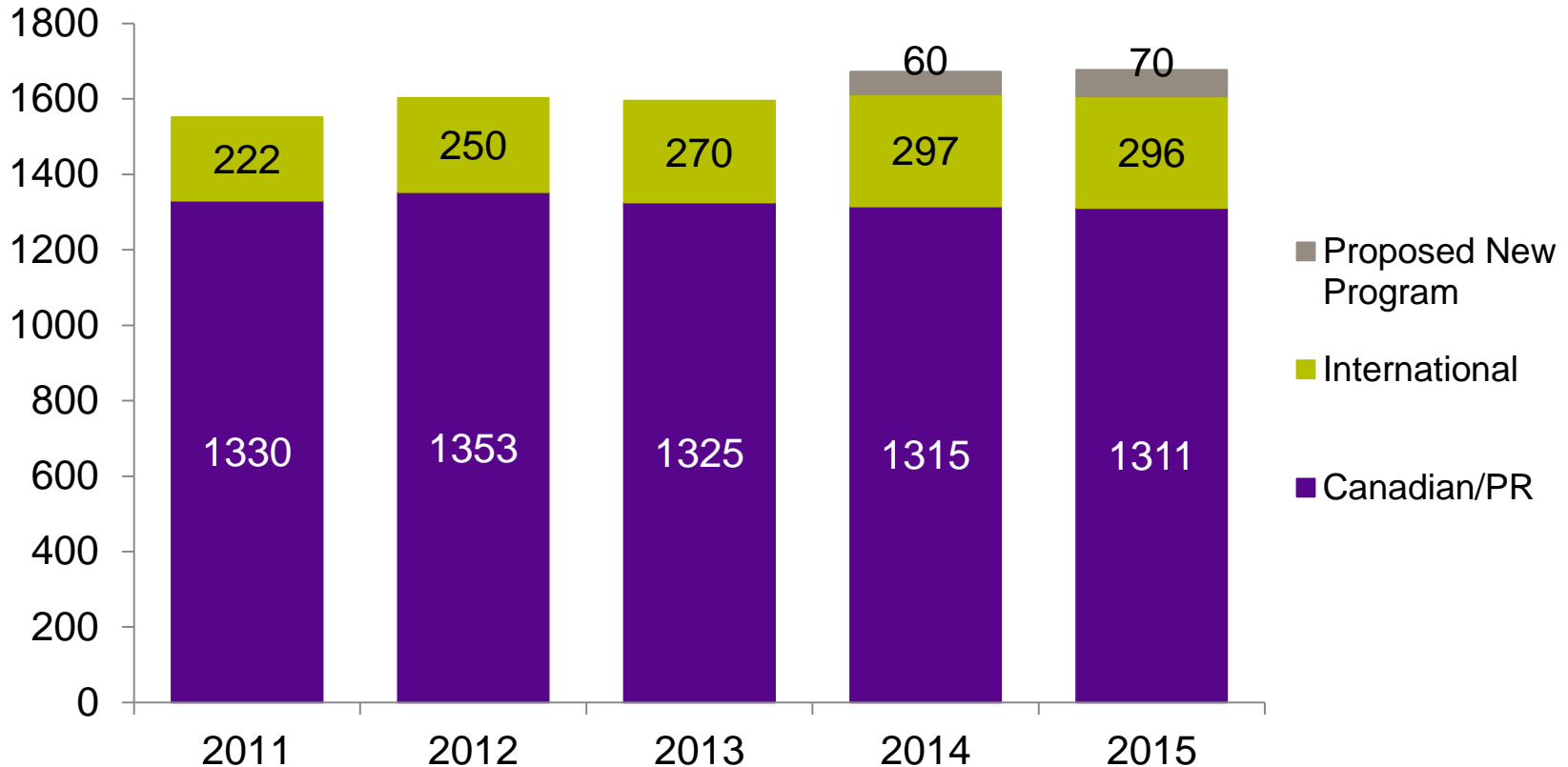


Undergraduate Degrees Granted, 2011



undergraduate studies targets

Undergraduate Intake Projections, 2011-2015



undergraduate studies objectives

Enhance the UG Academic Program

- ◆ Ensure a modern, high-quality learning environment
- ◆ Redesign and modernize the lab experience
- ◆ Foster consistently high quality teaching by all instructors

teaching objectives

Foster consistently high quality teaching by all instructors

- ◆ Enhance support for teaching
- ◆ Contribute to the development of faculty members and TAs as teachers
- ◆ Affirm the importance of teaching

undergraduate studies objectives

Support the Retention of UG Students

- ◆ Enhance first-year student success
- ◆ Support student success at all levels

undergraduate studies objectives

Improve the UG Student Experience

- ◆ Improve service and communications
- ◆ Enhance undergraduate processes
- ◆ Develop an annual student engagement survey

undergraduate studies objectives

Increase the Number of Co-op Jobs

- ◆ Implement a program-focused initiative to assist in job development
- ◆ Introduce two-term jobs for junior students
- ◆ Introduce eight-month work terms for senior students
- ◆ Develop additional international work term opportunities

undergraduate studies objectives

Provide Unemployed First Work Term Students a Meaningful Experience

- ◆ Develop a program to enhance the employability of unemployed first work term students during their next work term

undergraduate studies objectives

Support the Successful Implementation of WatPD-Engineering

- ◆ Ensure sufficient selection of current WatPD courses for engineering students
- ◆ Establish a framework to assess the WatPD-Engineering program's effectiveness

undergraduate studies objectives

Ensure the Ongoing Accreditation of all Engineering Programs

- ◆ Implement a system of outcomes assessment for all programs
- ◆ Increase the proportion of eligible faculty members who are licensed professional engineers

Questions & Feedback

More Questions & Feedback?

To ask questions and share your thoughts
after the presentation, email

engineering.planning@uwaterloo.ca

before April 16, 2012

We are confident that with the continued commitment and guidance of our senior leadership and the excellent work of all our students, faculty, staff, alumni and other community members, the Vision 2015 plan will help establish Waterloo Engineering as a truly world-class school of engineering.



THANK YOU

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