



A Remark for a Panel Discussion before the Ad-hoc Committee on Revitalizing Graduate STEM Education for the 21st Century of the National Academies of Science

Hironao Okahana, MPP, PhD
Council of Graduate Schools
@HironaoOkahana

Key Areas of Need for Graduate Education Data

- **Data points that capture what works for diversity & inclusiveness in graduate education**
- **Data points for master's education.**
- **Data that reflect our core values for graduate education.**

What We Do at CGS.

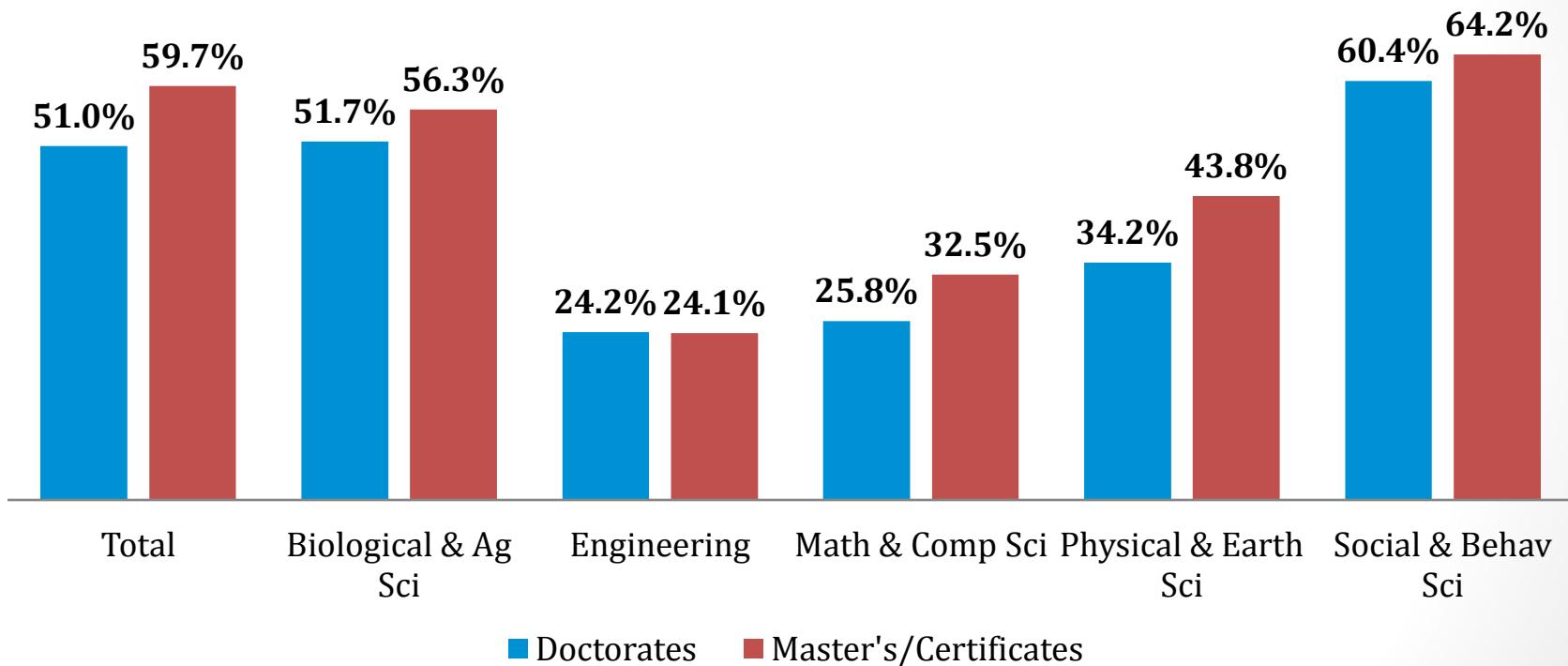
- **Annual survey projects**
 - [CGS/GRE Survey of Graduate Enrollment & Degrees](#)
 - [CGS International Graduate Admissions Survey](#)
 - CGS Pressing Issues Survey
- **Best Practices projects**
 - [Admissions](#)
 - [Financial education](#)
 - [Professional development](#)
 - [Doctoral and master's degree completion](#)
 - [Career pathways](#)

Data Come in Many Different Shapes and Forms to CGS.

- Aggregated applications, enrollment, and degrees data;
- Student-level enrollment records;
- Individual-level survey data of students and graduate school administrators;
- Inventories of programs, policies, and initiatives;
- Interviews and focus group interviews; and
- Meeting/Workshop proceedings.

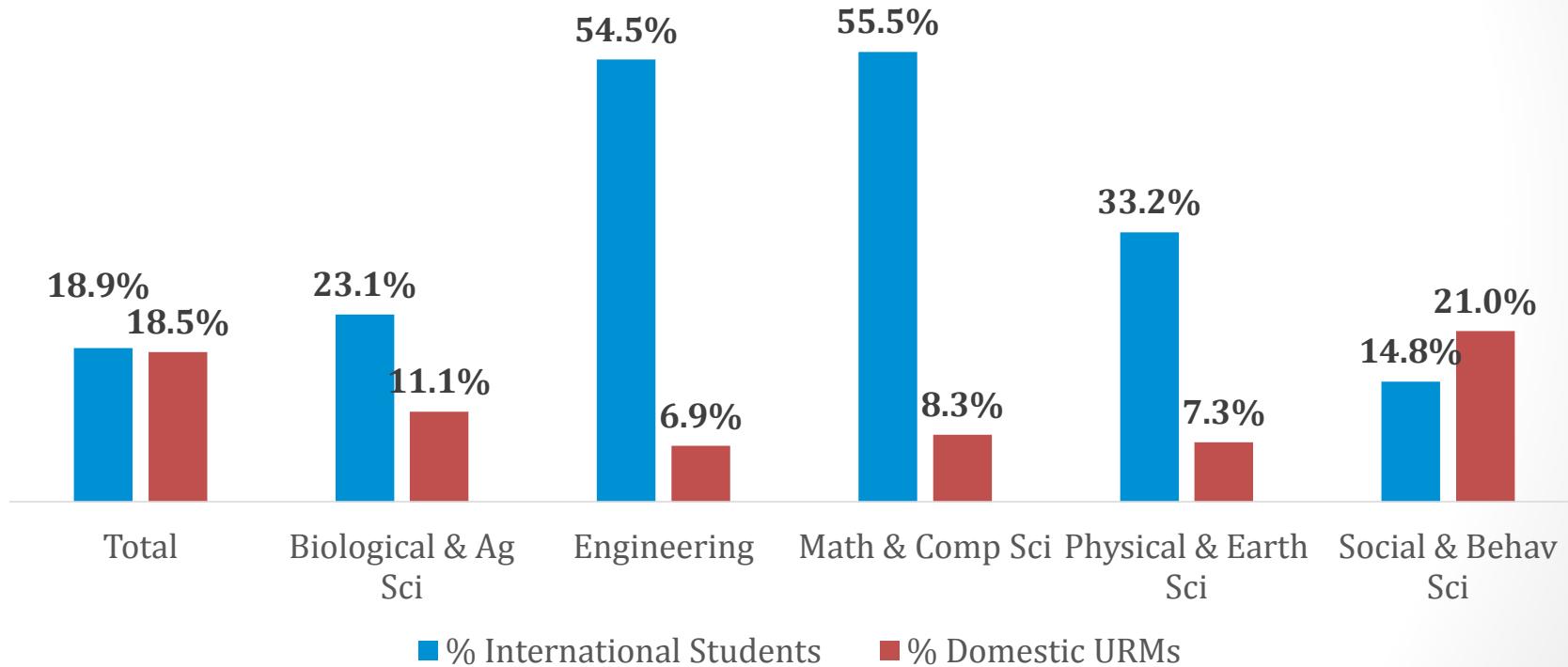
Despite gains made, women still are disproportionately underrepresented in many STEM fields.

Percentage Shares of Women Among Total Master's and Doctoral Enrollment by STEM Fields, Fall 2015



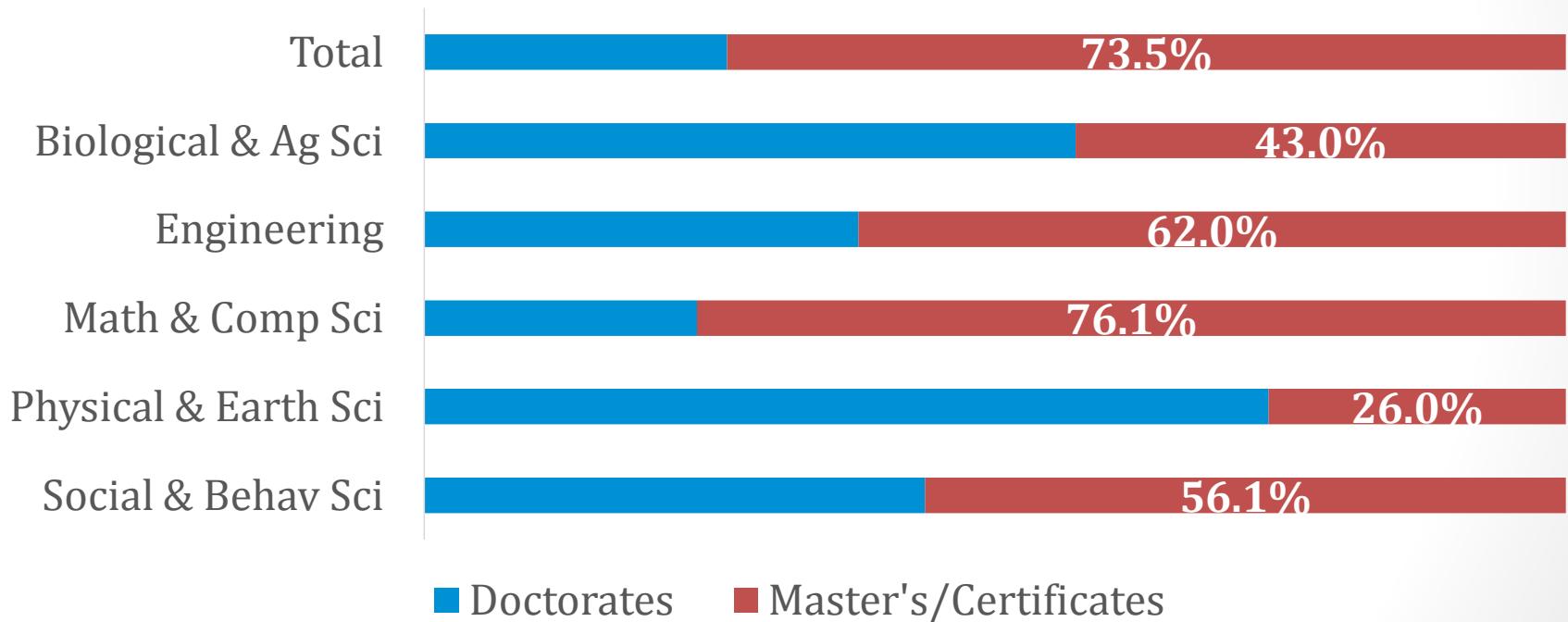
Also, domestic URM students are still disproportionately underrepresented, though their numbers have increased over time.

Percentage Shares of International Students & Domestic URM Students among Total Master's and Doctoral Students by STEM Fields, Fall 2015



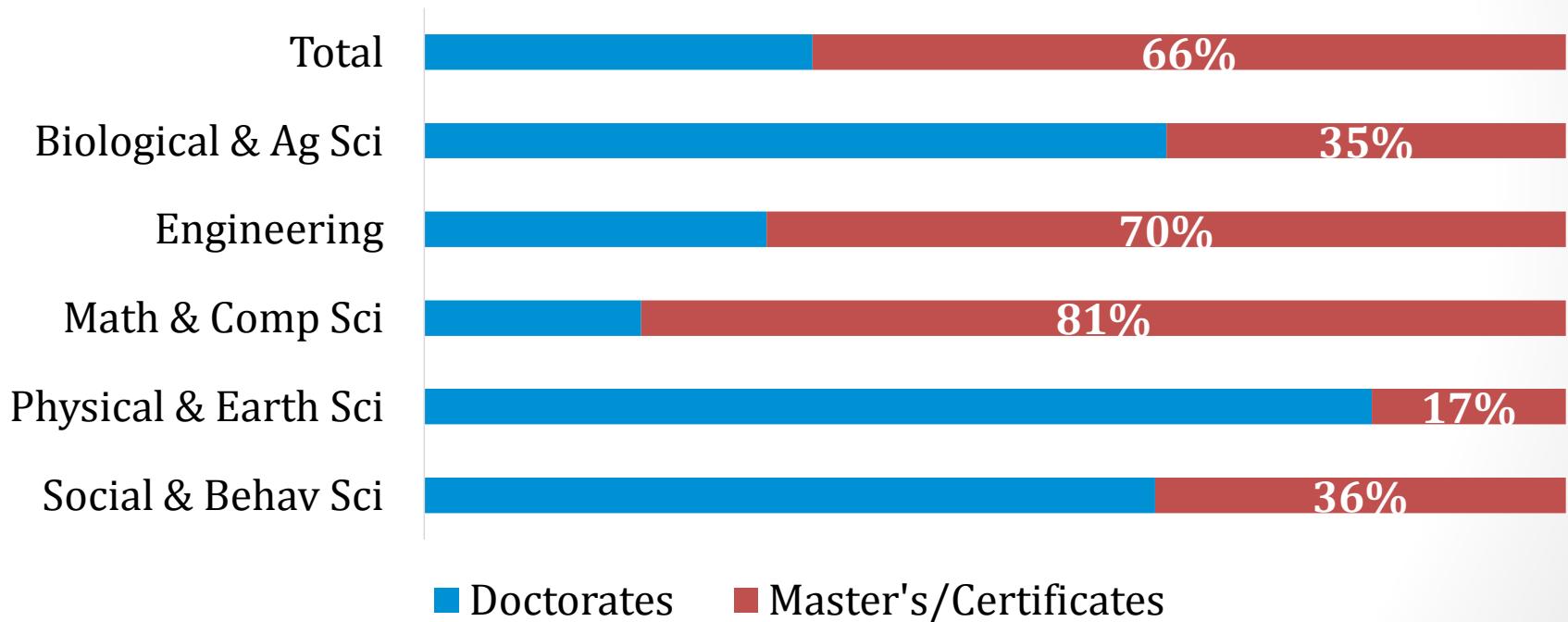
The vast majority of graduate students are master's students.

Percentage Distributions of Total Graduate Enrollment
by Degree Objectives, Fall 2015



Master's education is also on a high demand from international applicants in the largest STEM fields.

Percentage Distributions of Final International Applications by Degree Objectives, Fall 2015





Contact:

E-mail: hokahana@cgs.nche.edu

Office: (202) 696-1560

Twitter: [@HironaoOkahana](https://twitter.com/HironaoOkahana)