

What are Departments Doing and How are Programs Structured

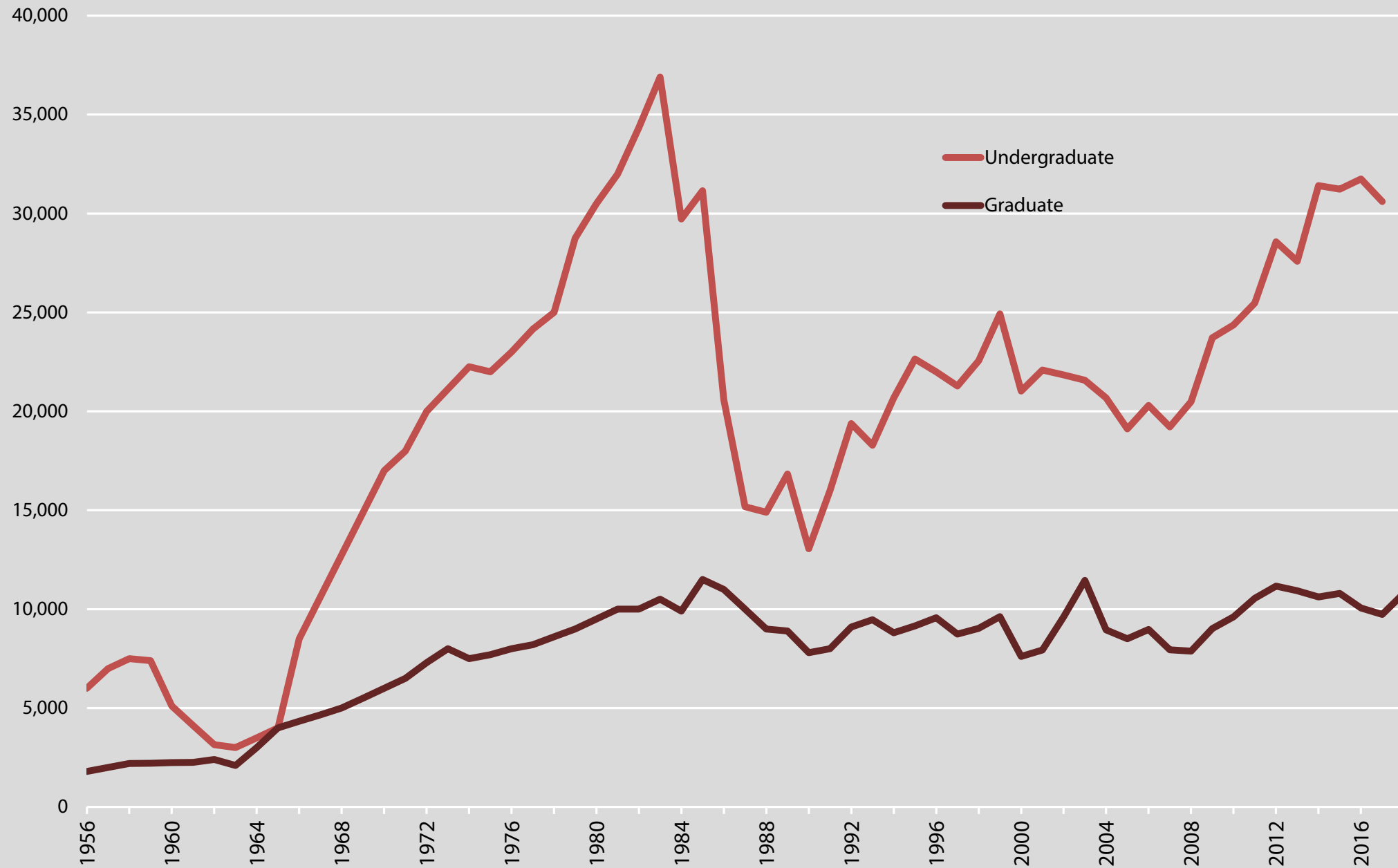
Christopher M. Keane
American Geosciences Institute
12 May 2019

A Few Tidbits

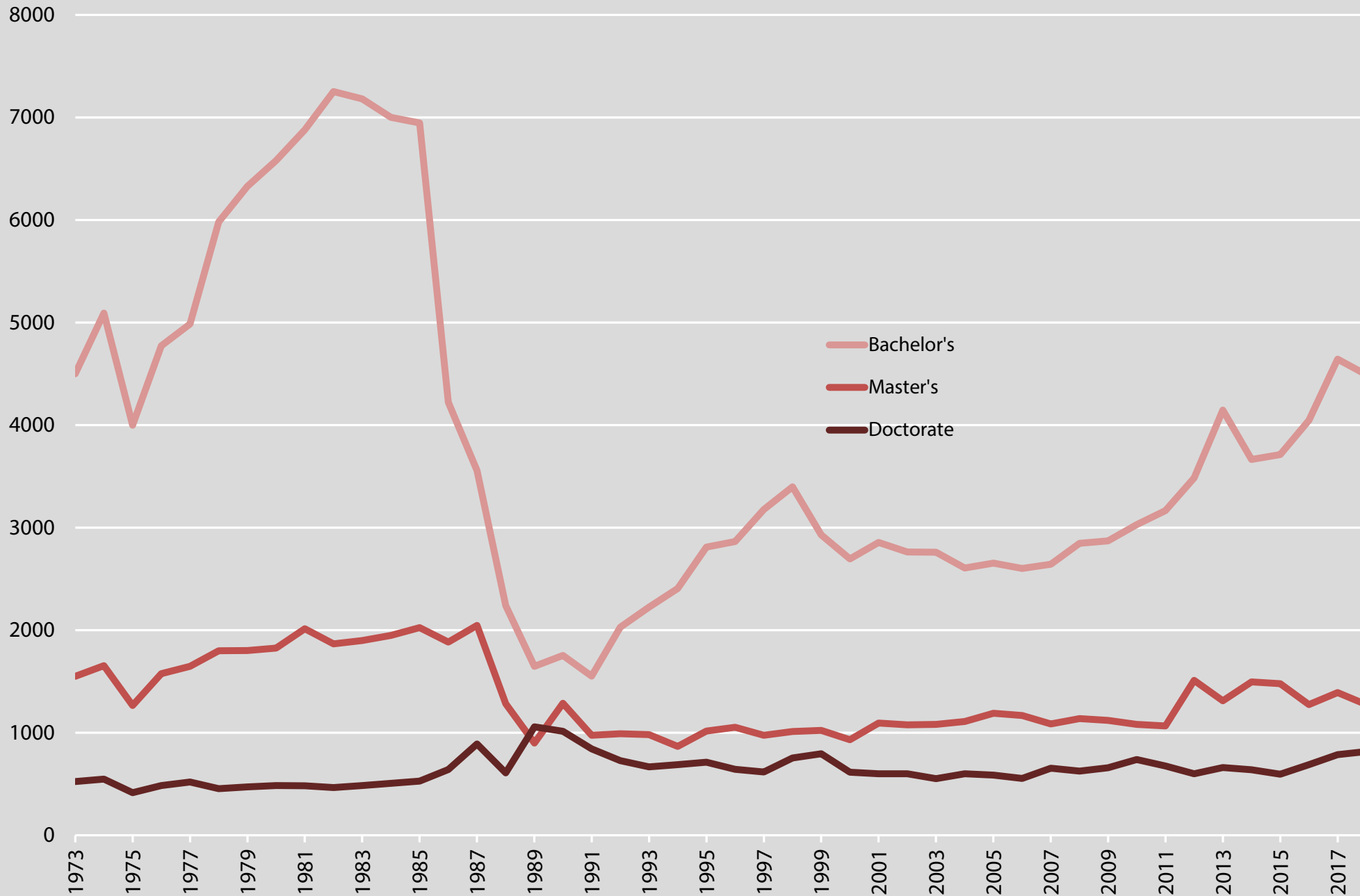
- 146 Responding Departments
 - 106 Ph.D. granting
 - 40 Terminal Masters
- Cohorted v. Non-cohorted
 - 85 reported programs are non-cohorted
 - 34 reported programs are cohorted
 - The balance had either a mix or non-distinct response
- Approximately 80% of programs accepted the GRE but did not consider the score in their admissions process

Geoscience Student Enrollment 1956-2018

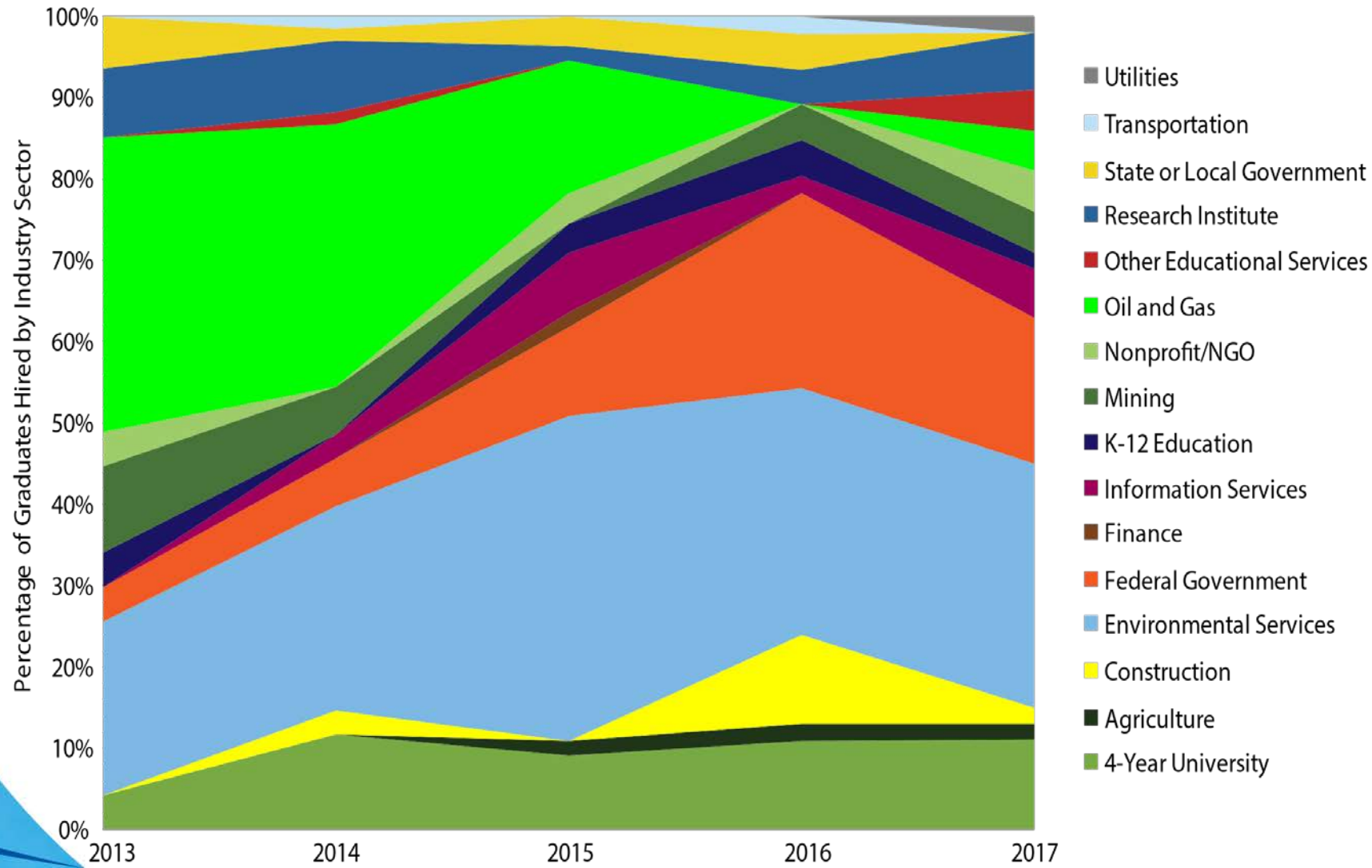
United States Colleges and Universities



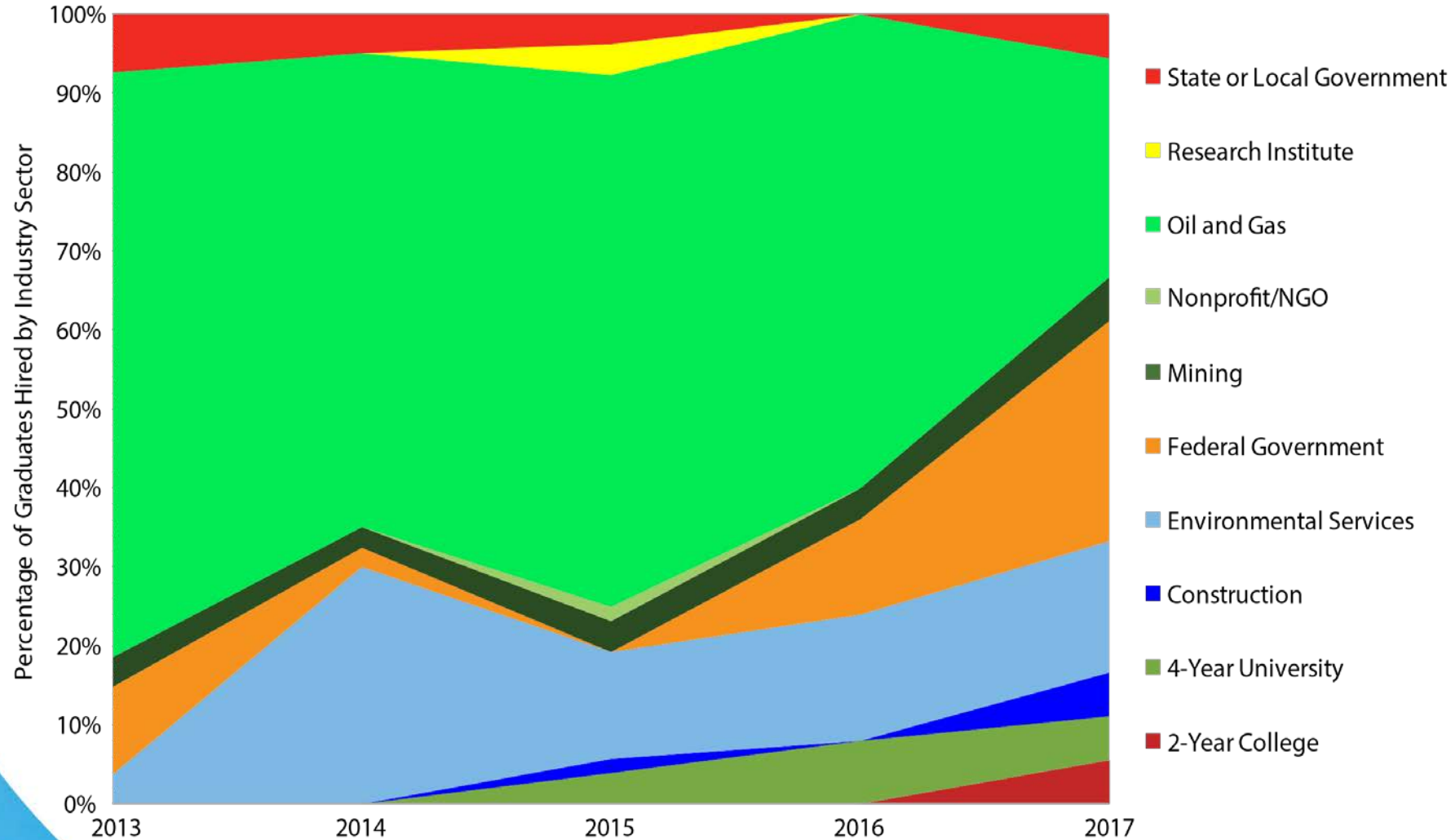
U.S. Geoscience Degrees Awarded 1973-2018



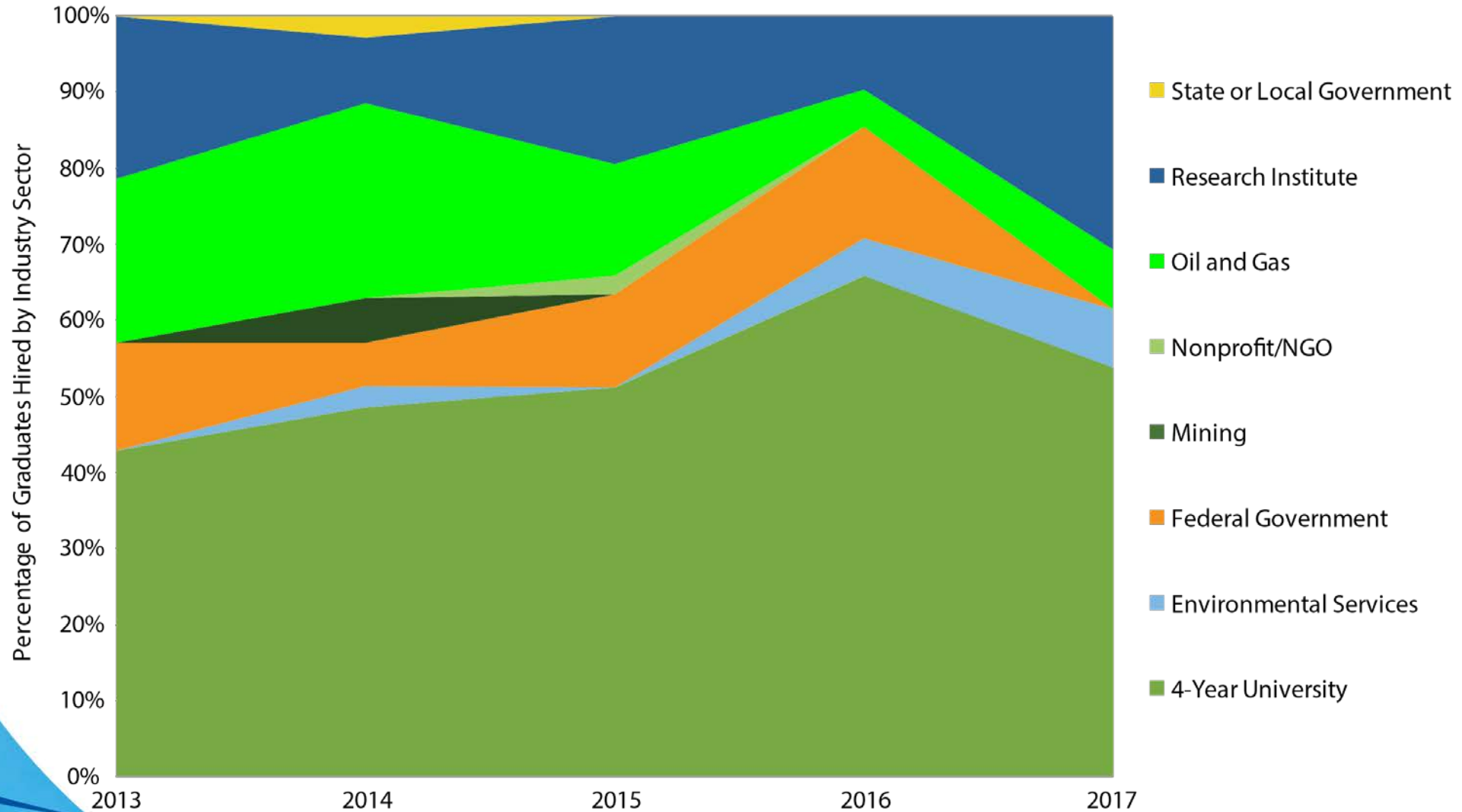
First Employment of BS Recipients 2013-2017



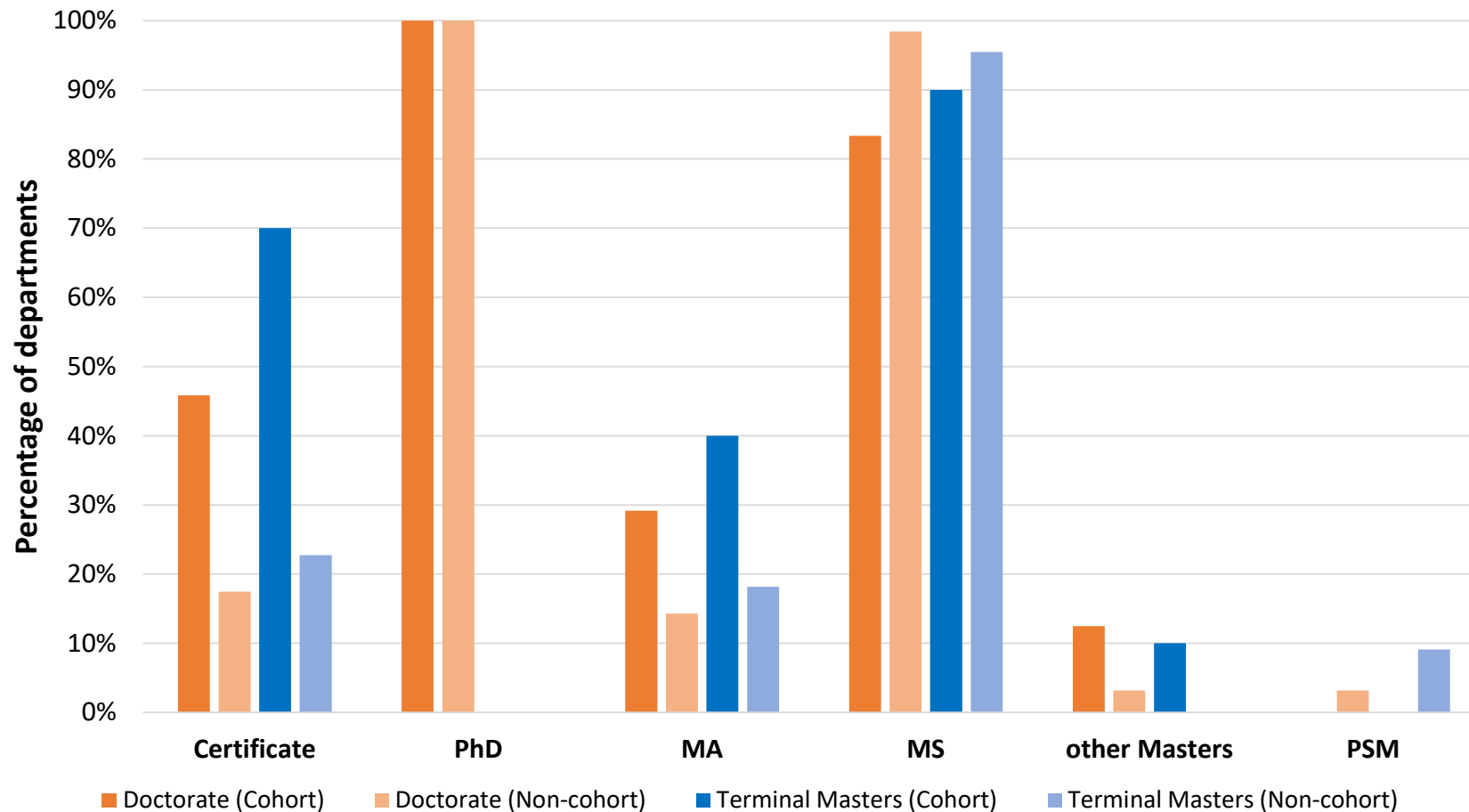
First Employment of MS Recipients 2013-2017



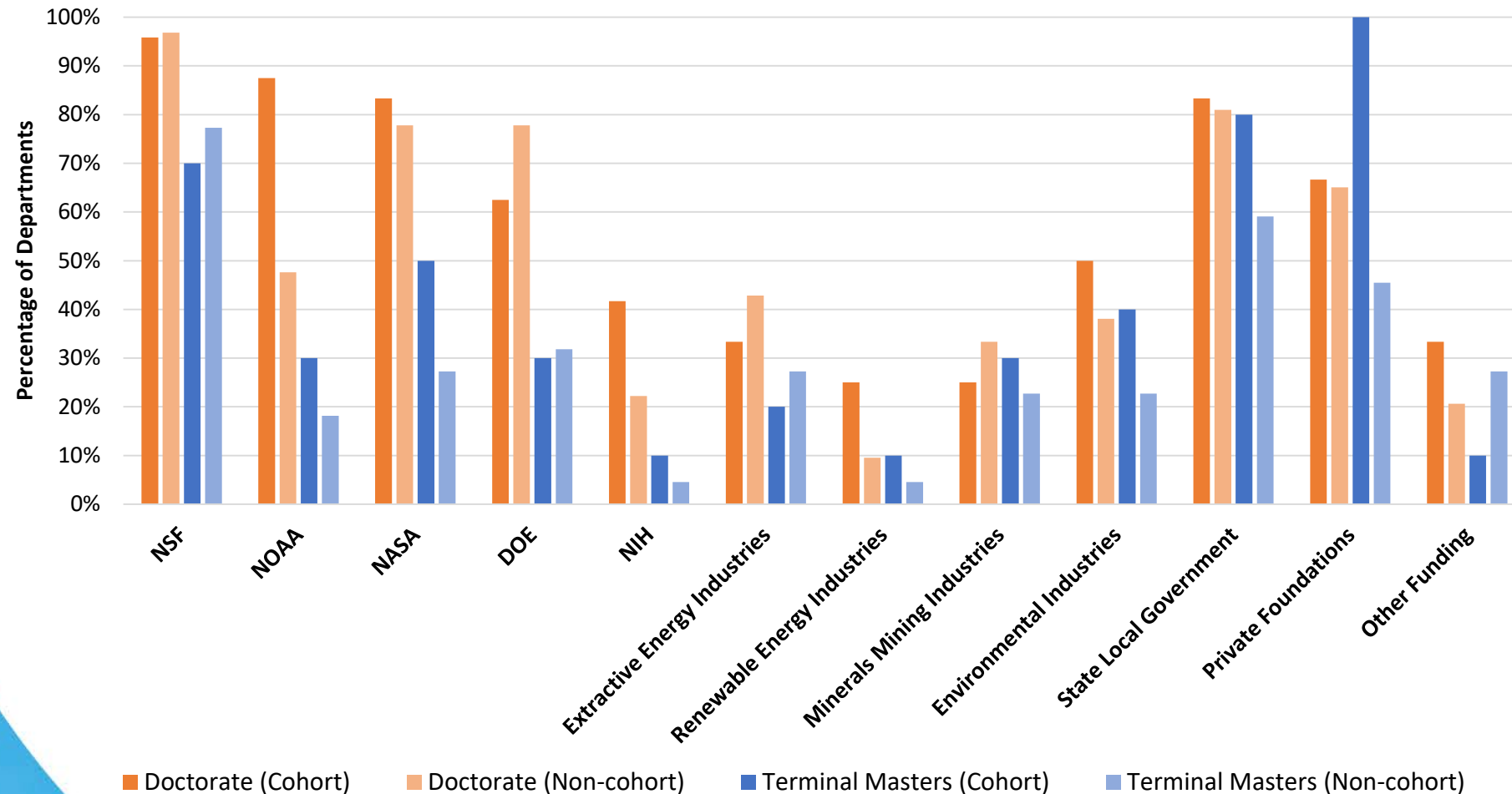
First Employment of PhD Recipients 2013-2017



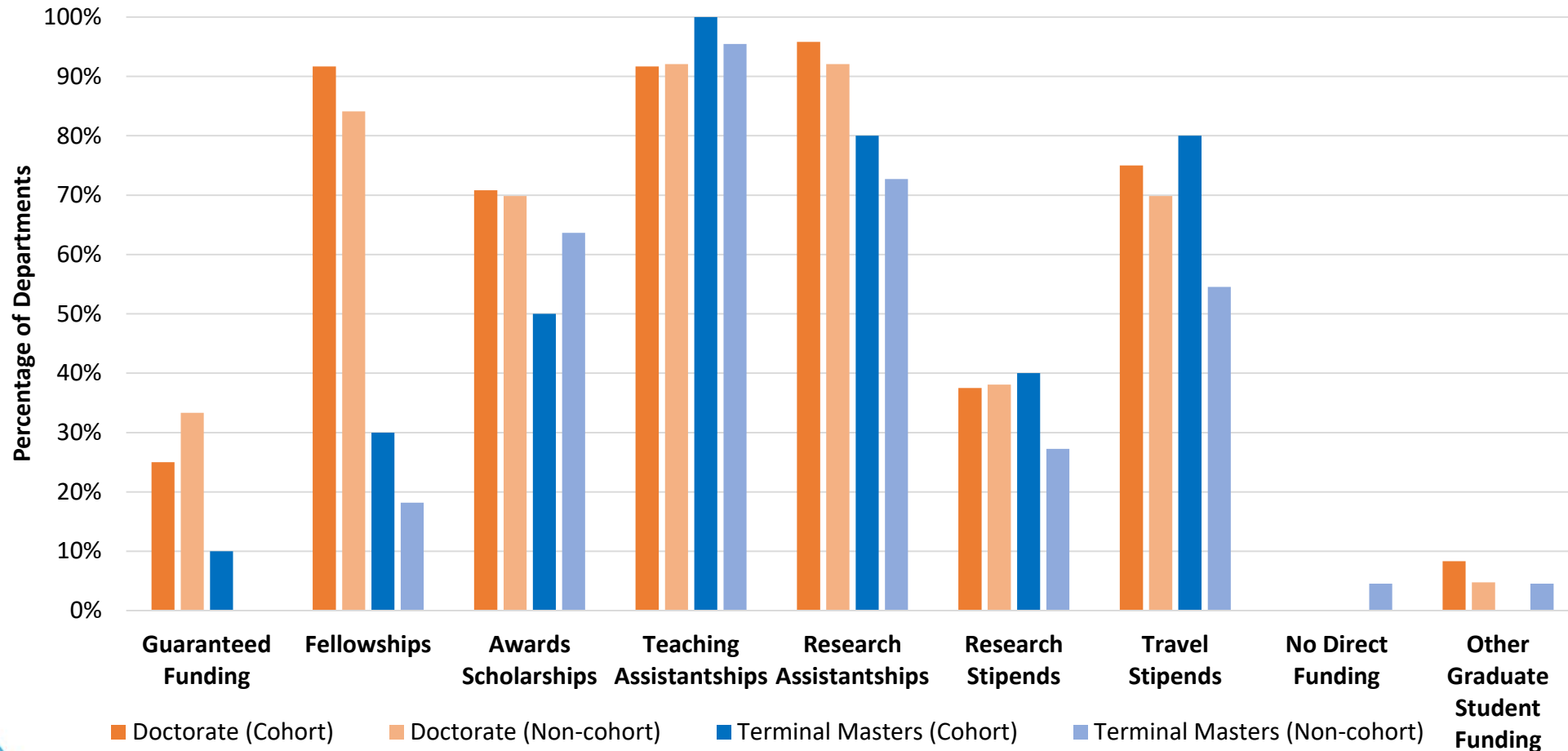
Degrees Offered by Dept Type



Sources of Department Funding

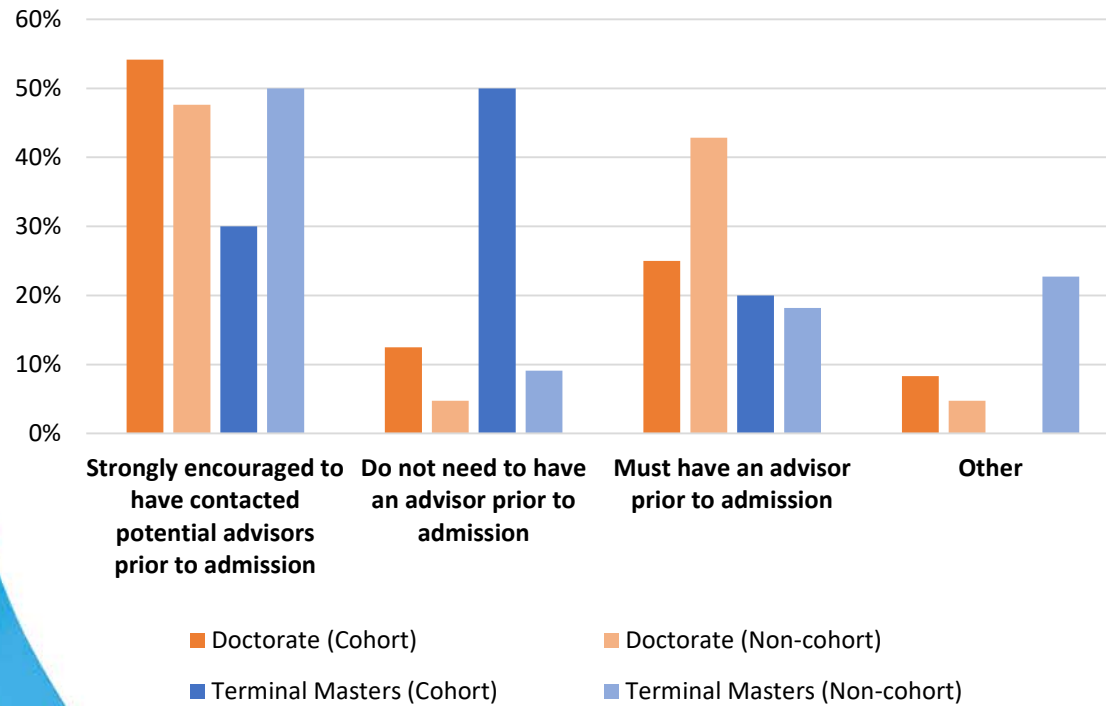


Types of Student Funding

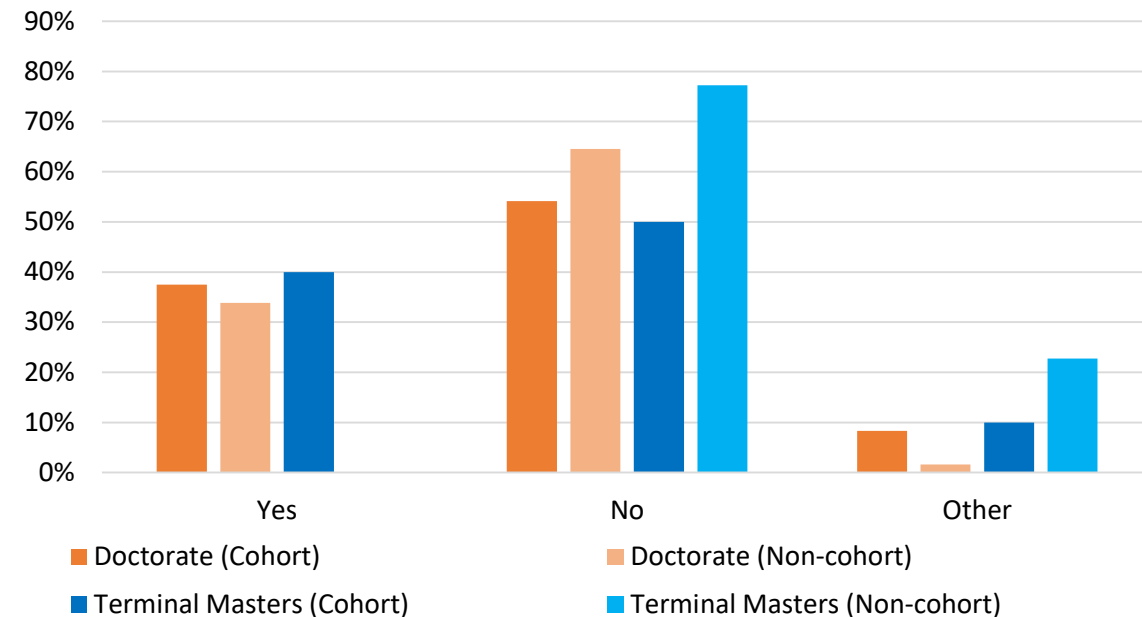


Advisors and Committees

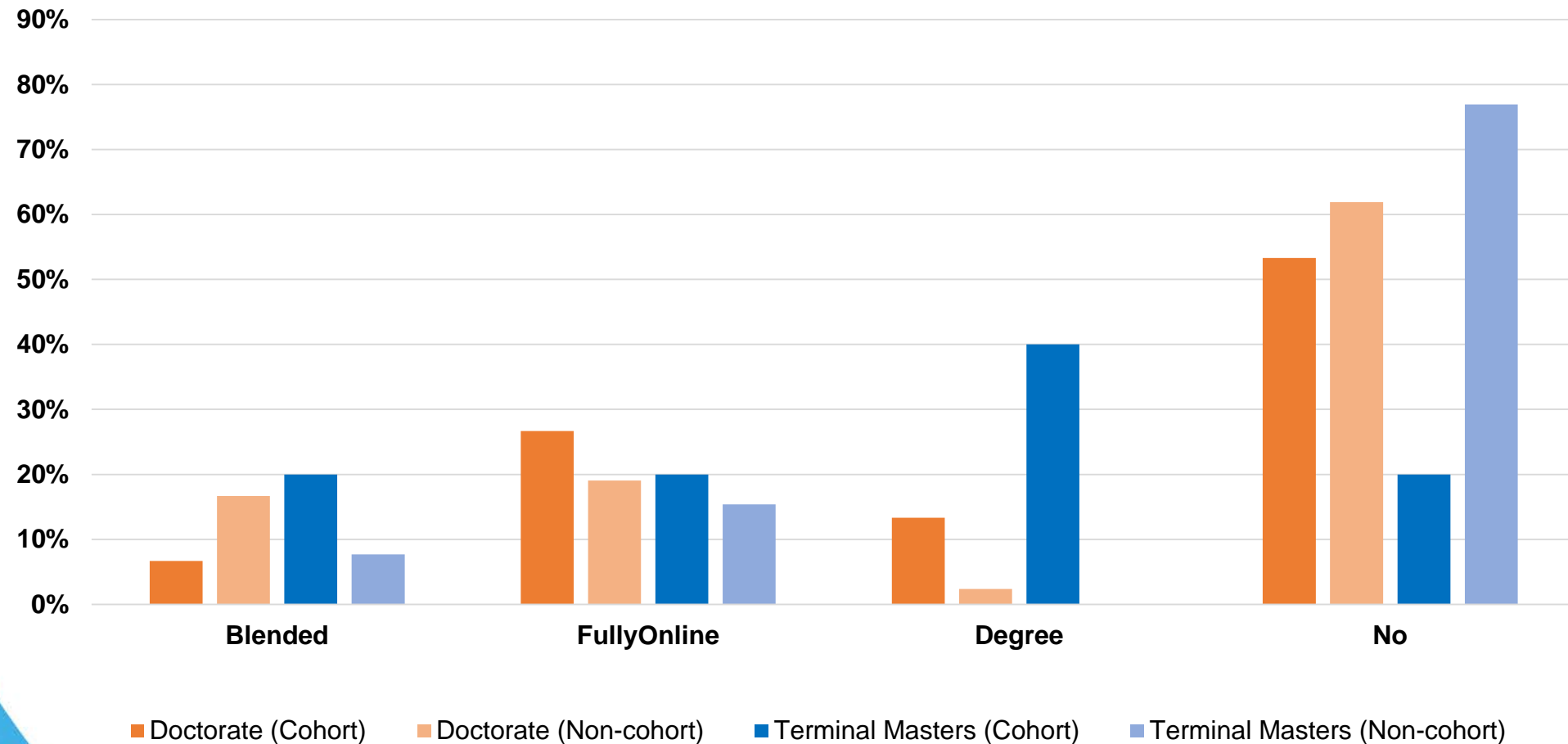
Require an Advisor Prior to Admission



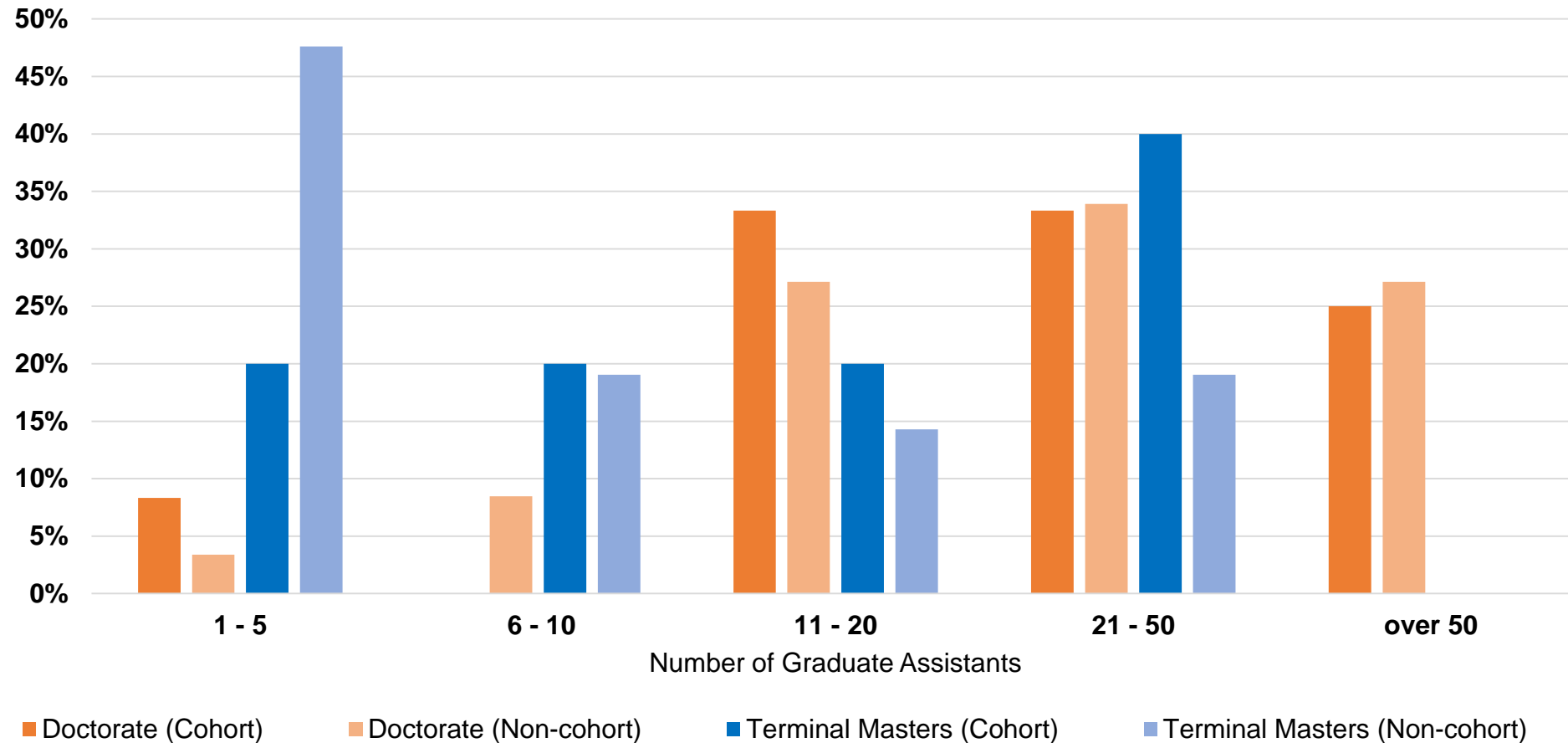
Require Separate Program and Research Committees?



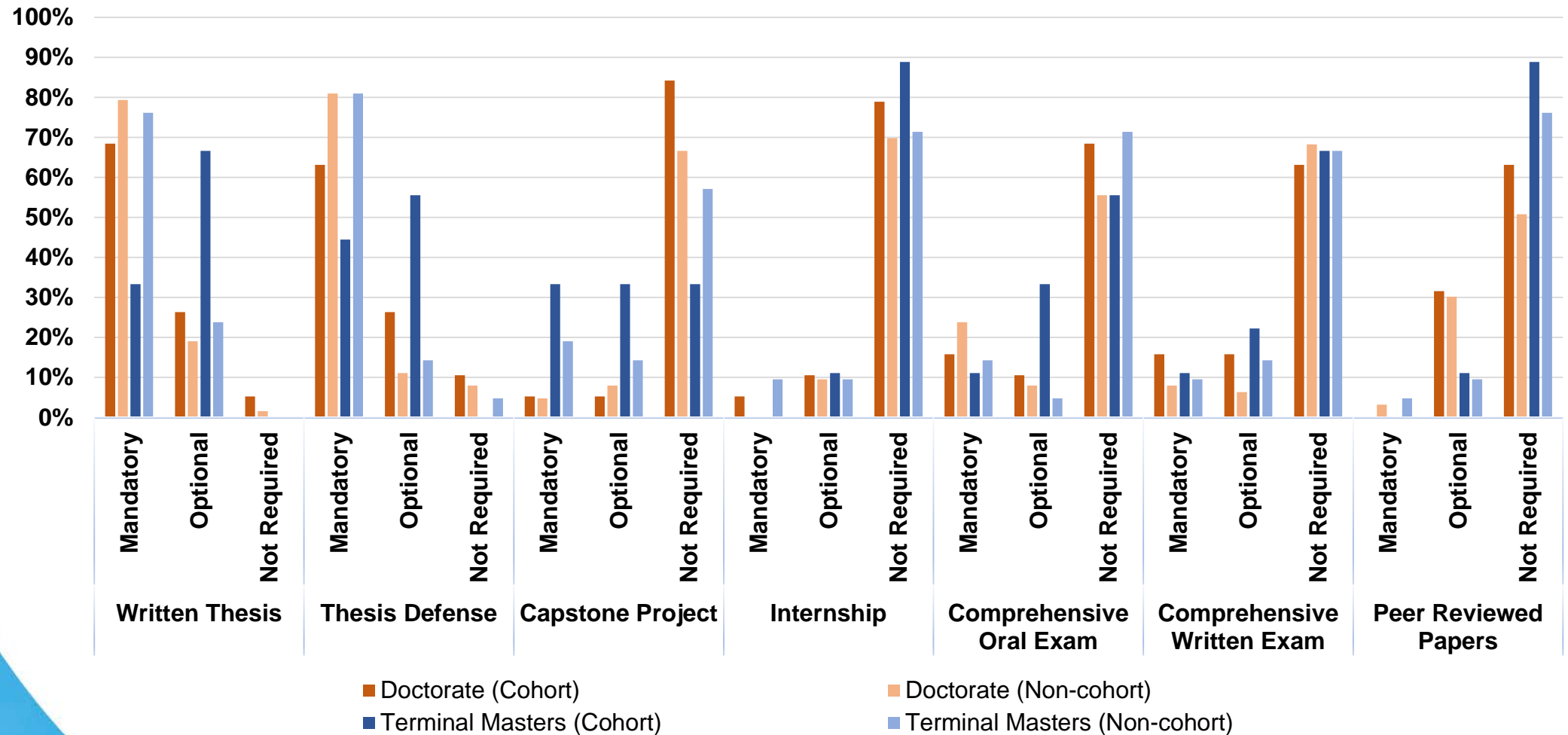
Online Courses



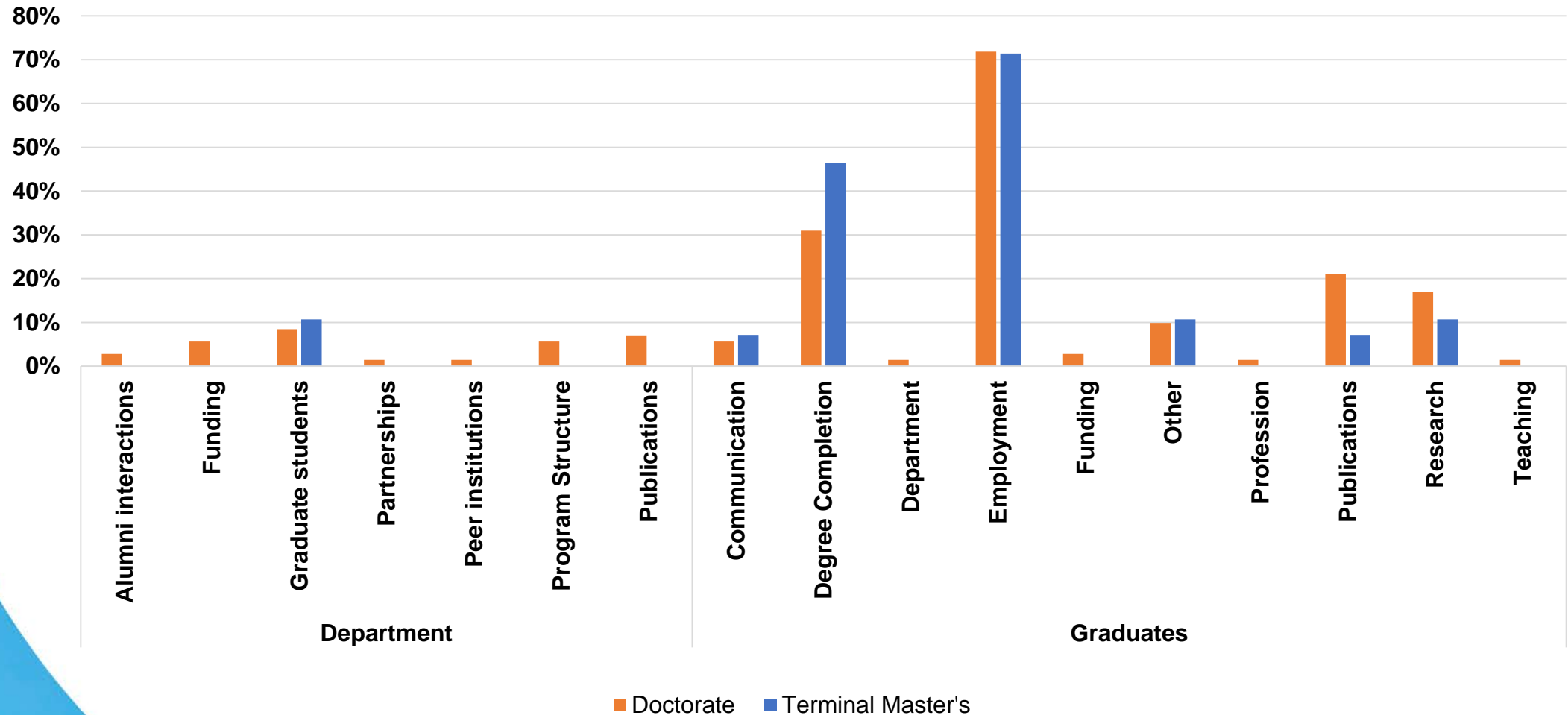
Graduate Assistants per Department



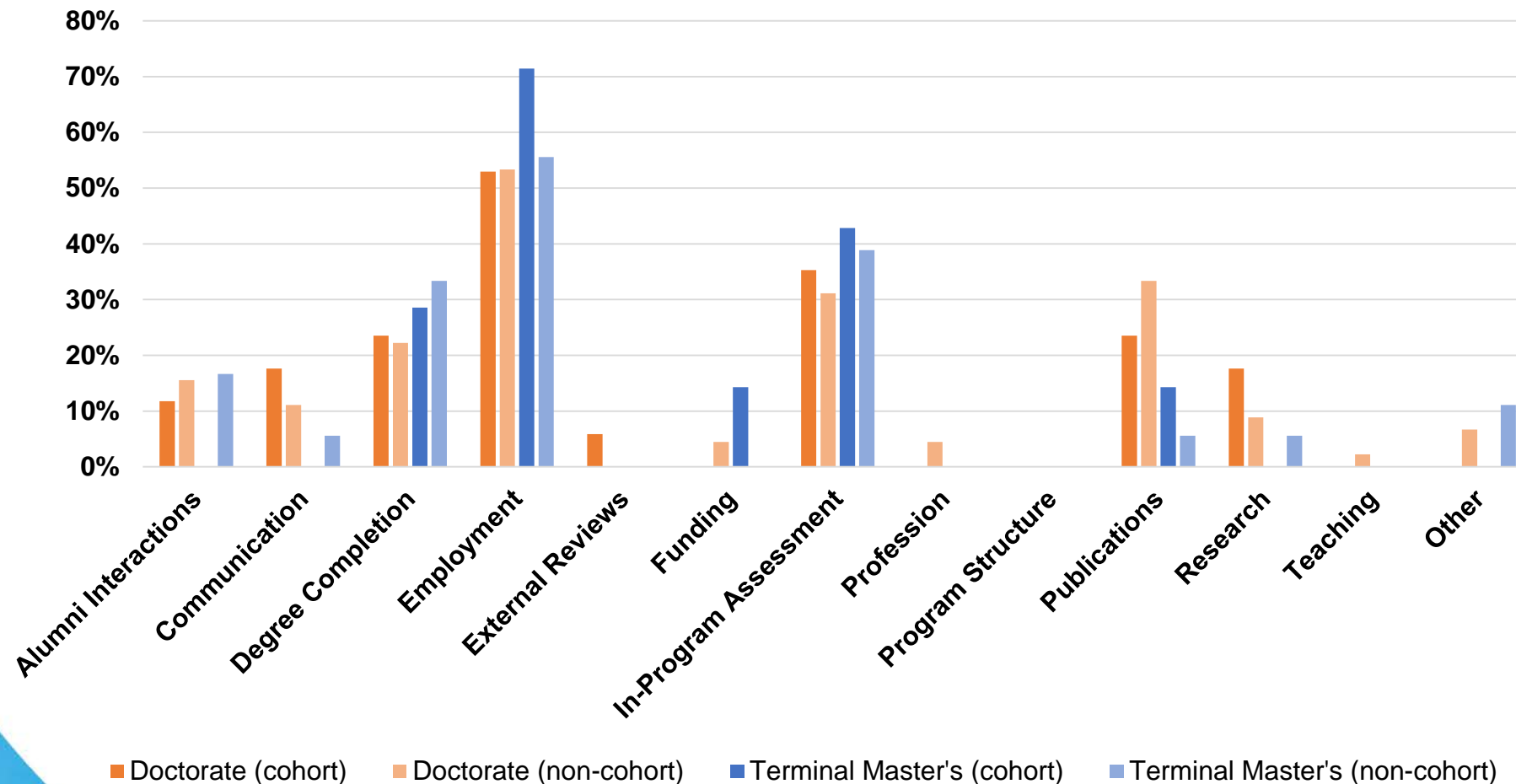
Degree Requirements



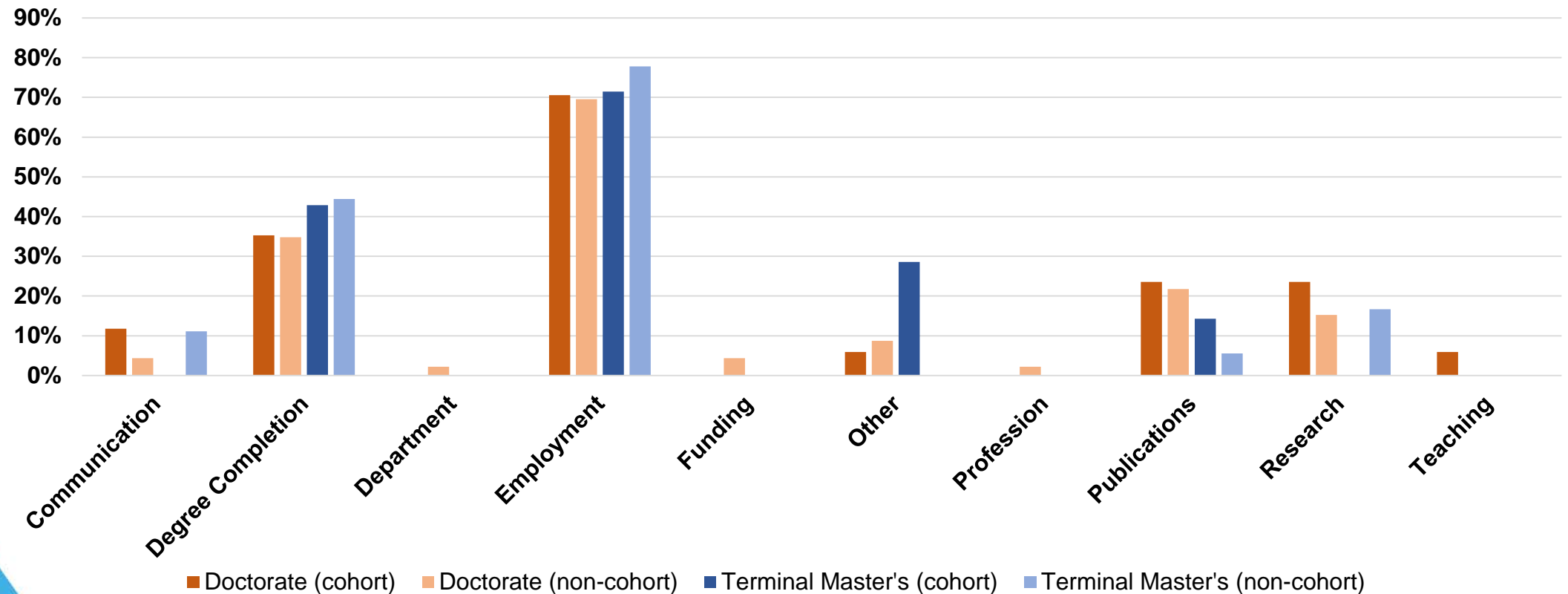
How Do you Define Success?



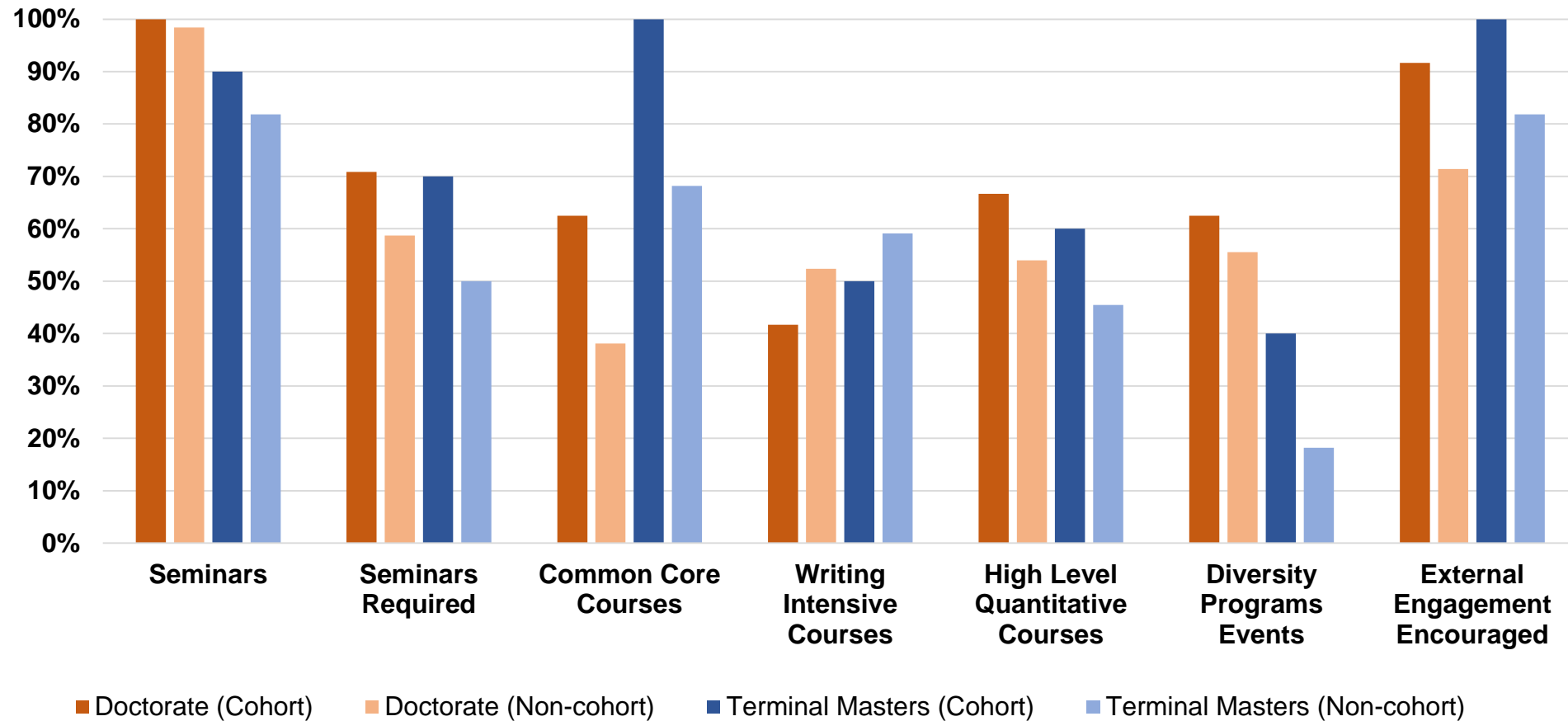
What Represents Success of your Students (by Dept)



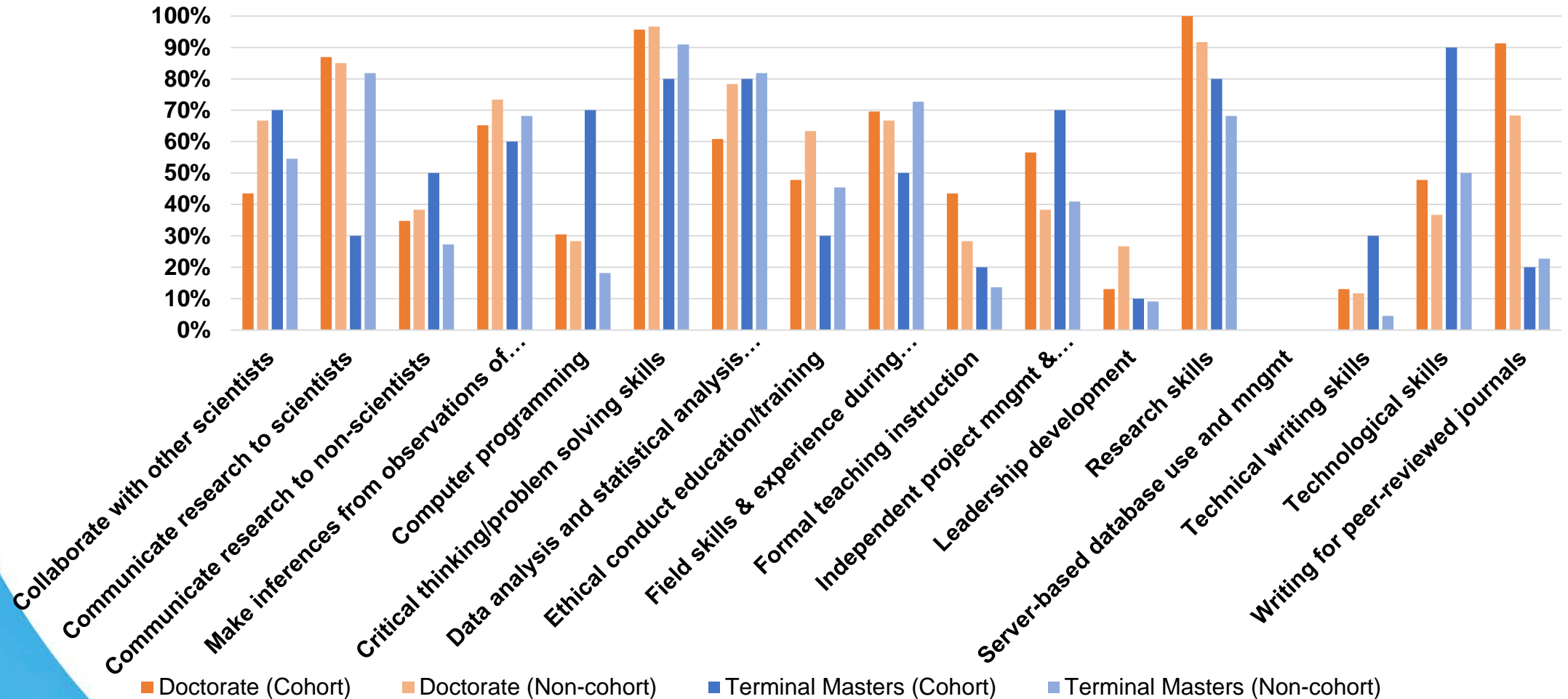
How Students Define a Successful Program



Student Development Activities



Expected Skills at Graduation



Next Steps

- Looking for feedback on parameters and expected sensitivity
- What are we missing?

- Parametric profiling of departments to identify similar cohorts
- Linking profiles to measured outcomes

For more information

<https://www.americangeosciences.org/workforce>

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