

What are Departments Doing and How are Programs Structured

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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

40,000

35,000

30,000

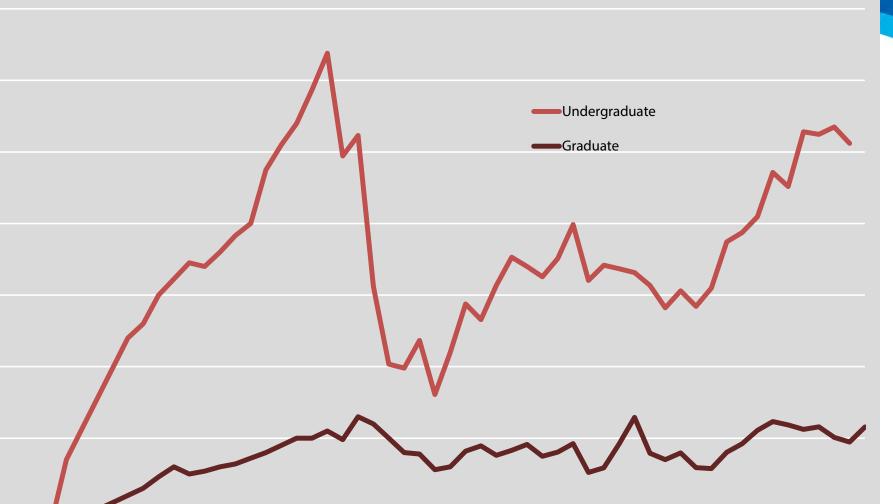
25,000

20,000

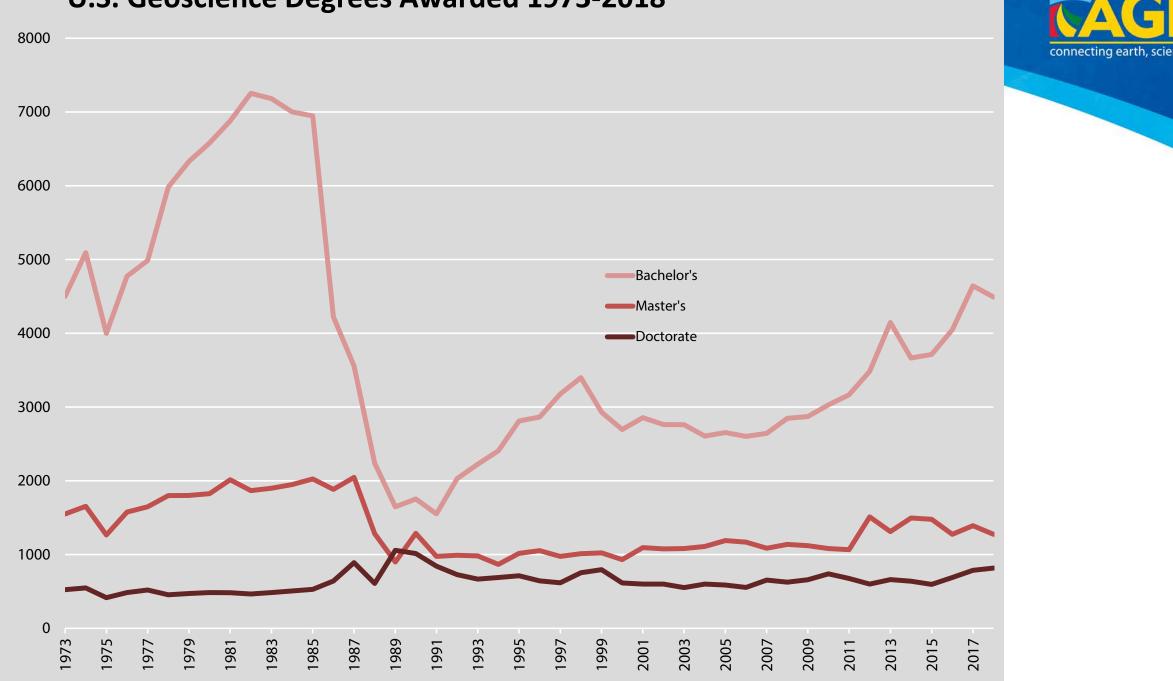
15,000

10,000

5,000





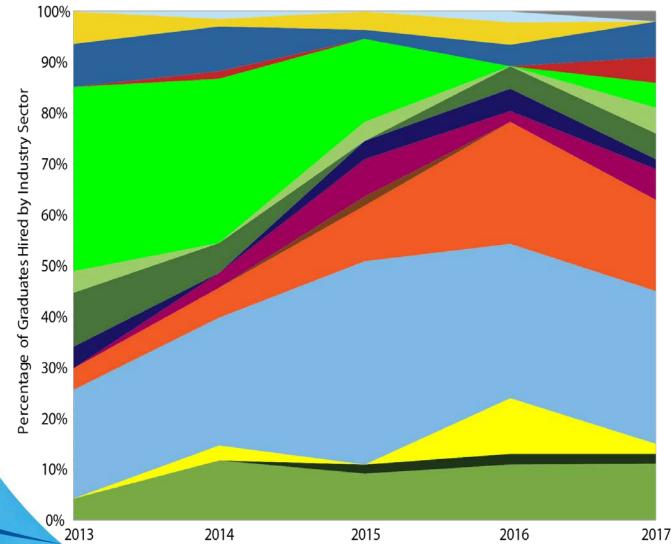


U.S. Geoscience Degrees Awarded 1973-2018

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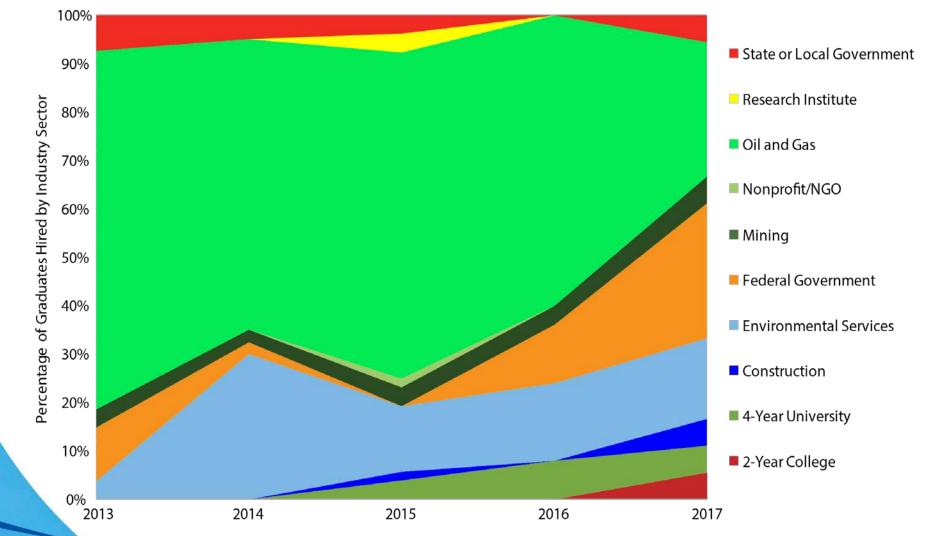
First Employment of BS Recipients 2013-2017



- Utilities
- Transportation
- State or Local Government
- Research Institute
- Other Educational Services
- Oil and Gas
- Nonprofit/NGO
- Mining
- K-12 Education
- Information Services
- Finance
- Federal Government
- Environmental Services
- Construction
- Agriculture
- 4-Year University

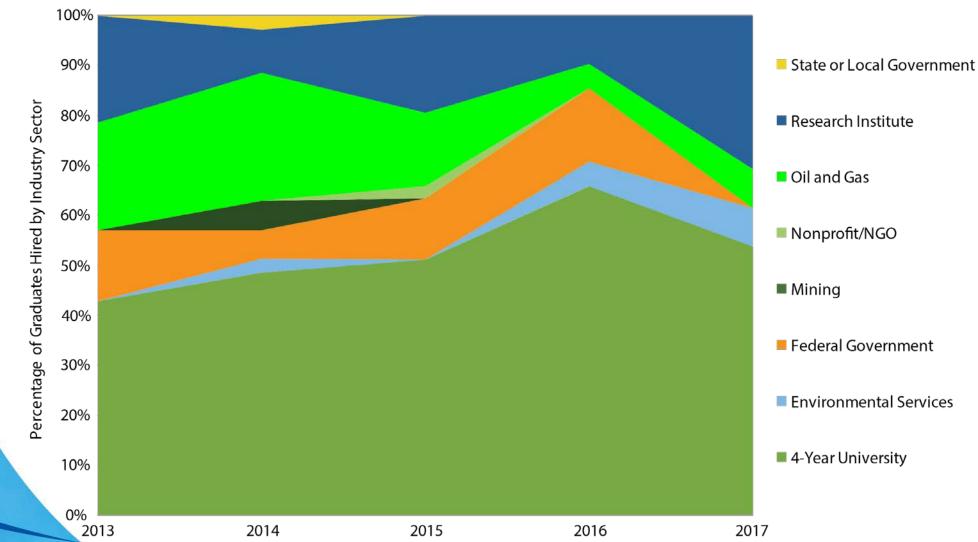


First Employment of MS Recipients 2013-2017



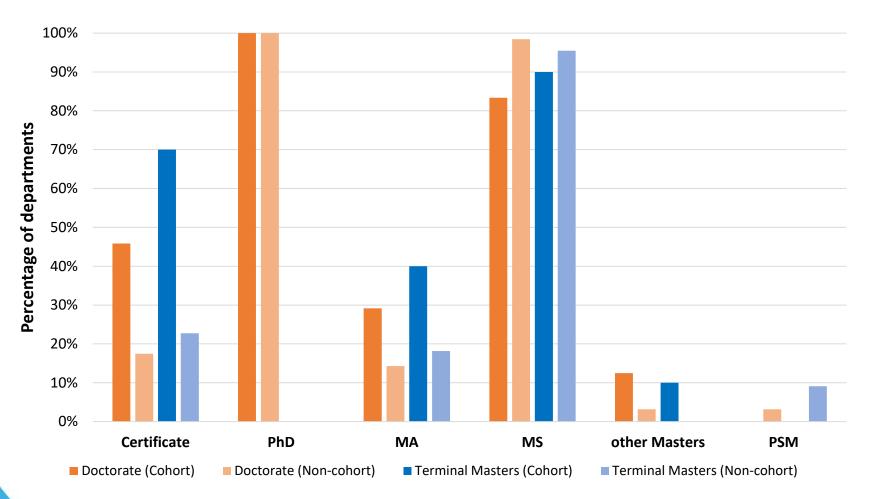


First Employment of PhD Recipients 2013-2017



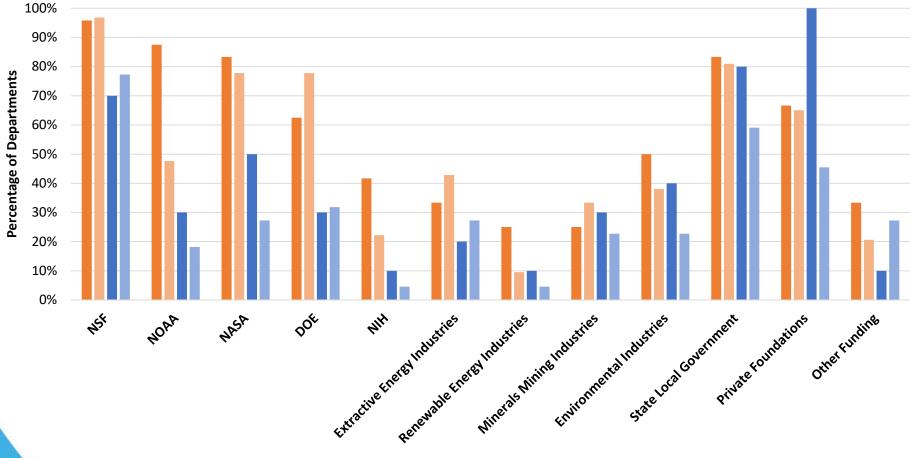


Degrees Offered by Dept Type



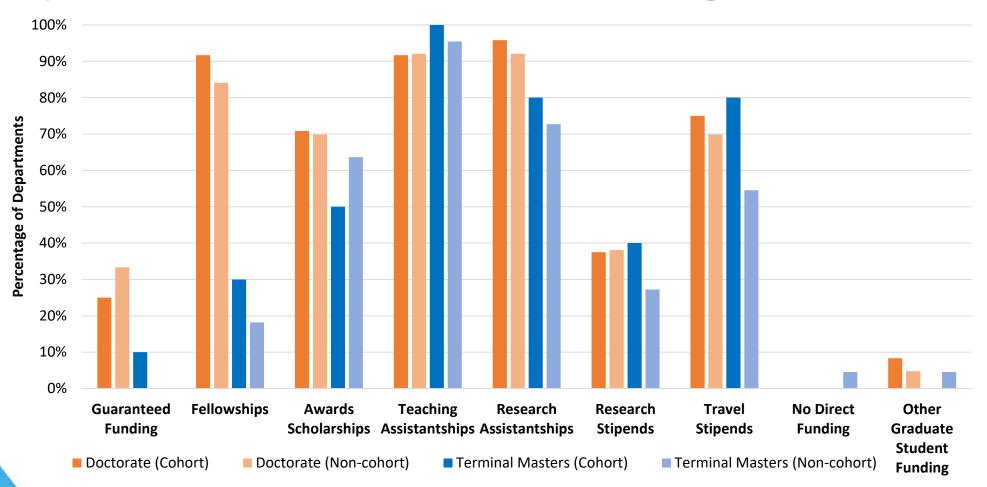


Sources of Department Funding



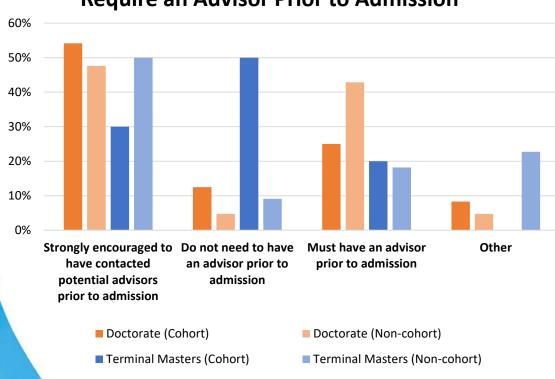


Types of Student Funding

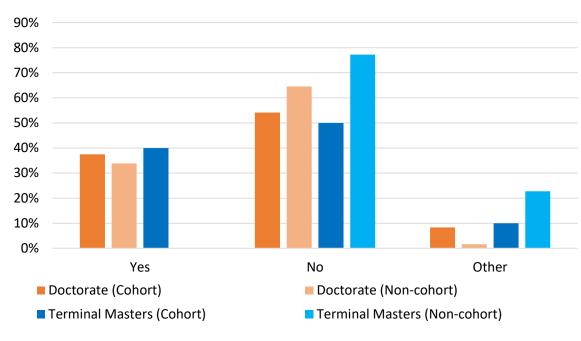




Advisors and Committees



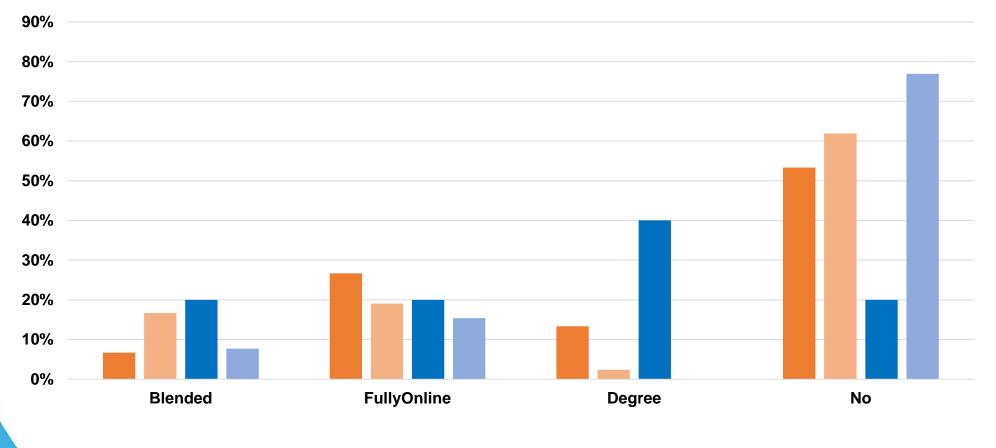
Require an Advisor Prior to Admission



Require Separate Program and Research Committees?



Online Courses

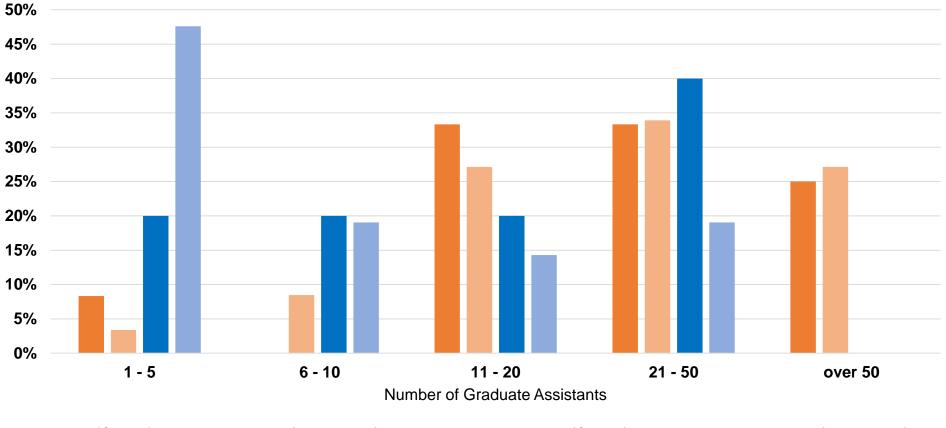


Doctorate (Cohort) Doctorate (Non-cohort) Terr

Terminal Masters (Cohort)



Graduate Assistants per Department



Doctorate (Cohort)

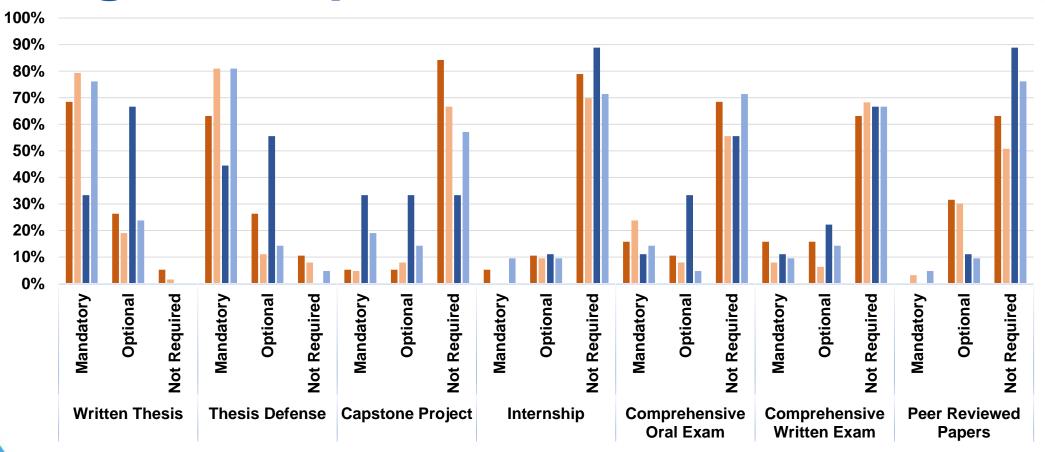
Doctorate (Non-cohort)

Terminal Masters (Cohort)

Terminal Masters (Non-cohort)



Degree Requirements



Doctorate (Cohort)

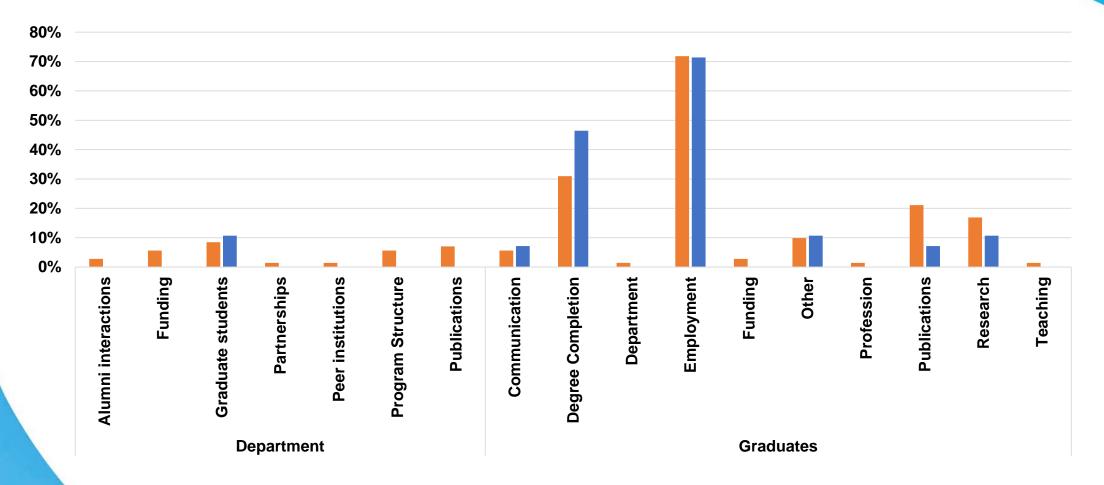
Terminal Masters (Cohort)

Doctorate (Non-cohort)

Terminal Masters (Non-cohort)

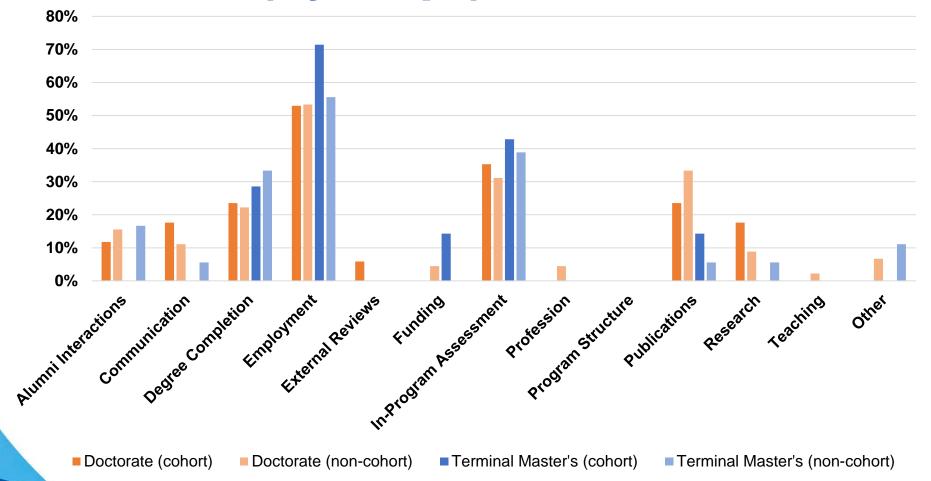


How Do you Define Success?



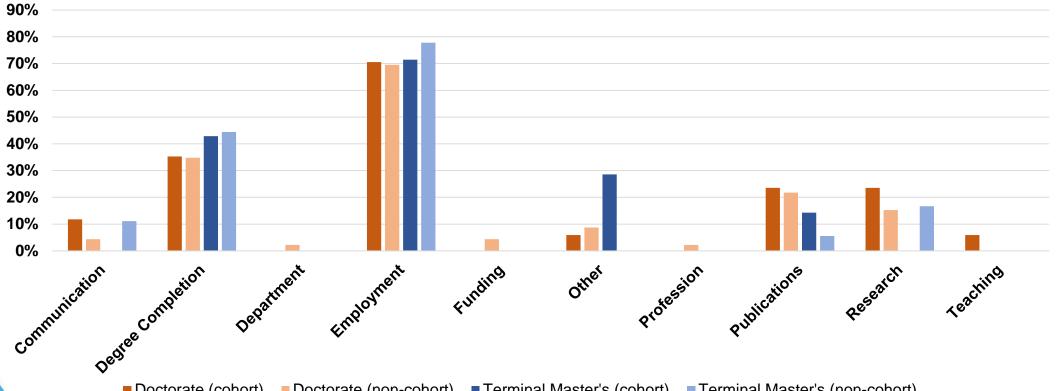


What Represents Success of your Students (by Dept)





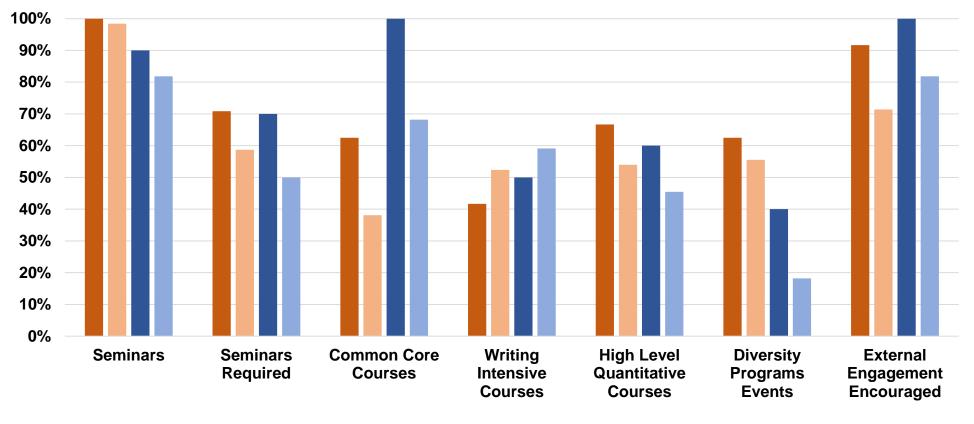
How Students Define a Successful Program



Doctorate (cohort) Doctorate (non-cohort) Terminal Master's (cohort) Terminal Master's (non-cohort)



Student Development Activities



Doctorate (Cohort)

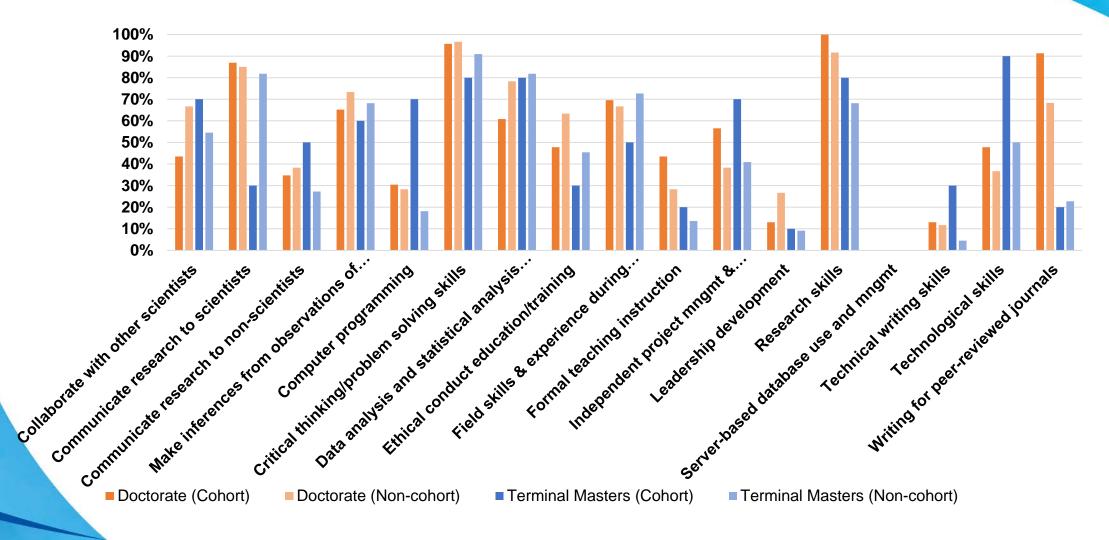
Doctorate (Non-cohort)

Terminal Masters (Cohort)

Terminal Masters (Non-cohort)



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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