

Graduate Student Training Questions*

Where are our doctoral graduates going?

Do we know (beyond anecdote) about how well their graduate experience prepared them?

Are changes needed?

What are they?

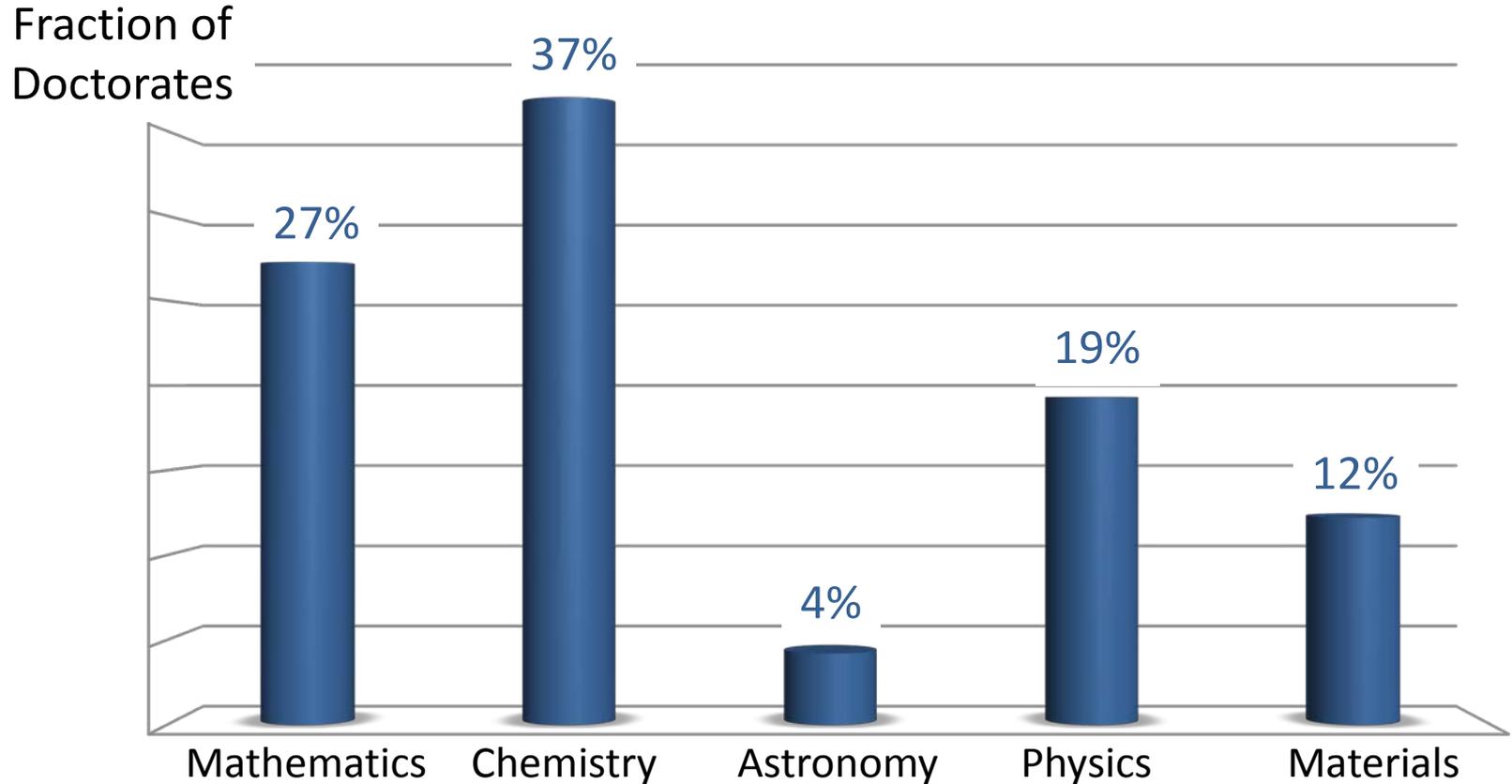
How do we assess and choose possible changes?

* with answers resolved at the level of MPS fields



Relative Size of MPS Fields

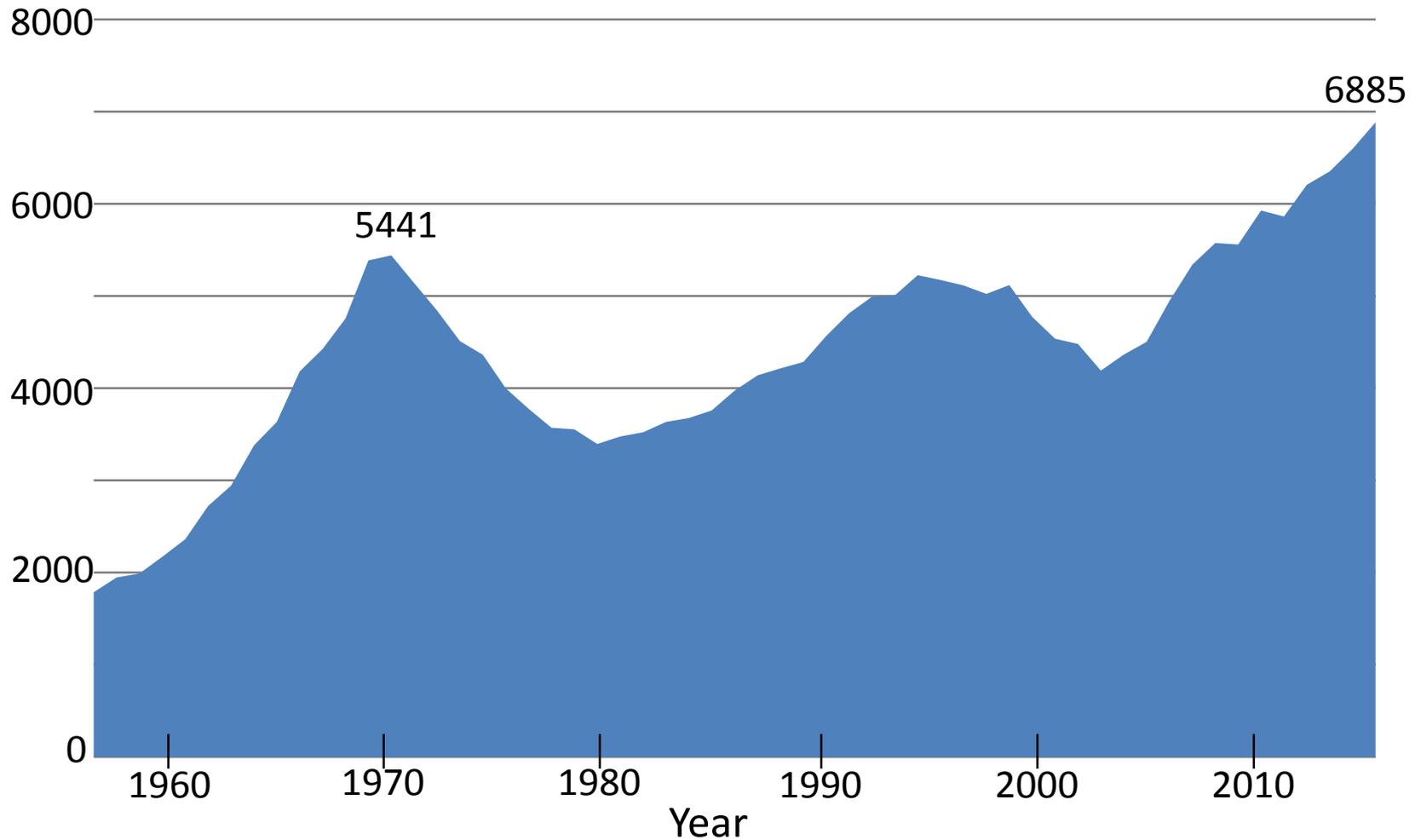
6885 Doctorates in 2014



Source: NSCES 2014 Survey of Earned Doctorates



All Doctorates in MPS Fields 1958 - 2014

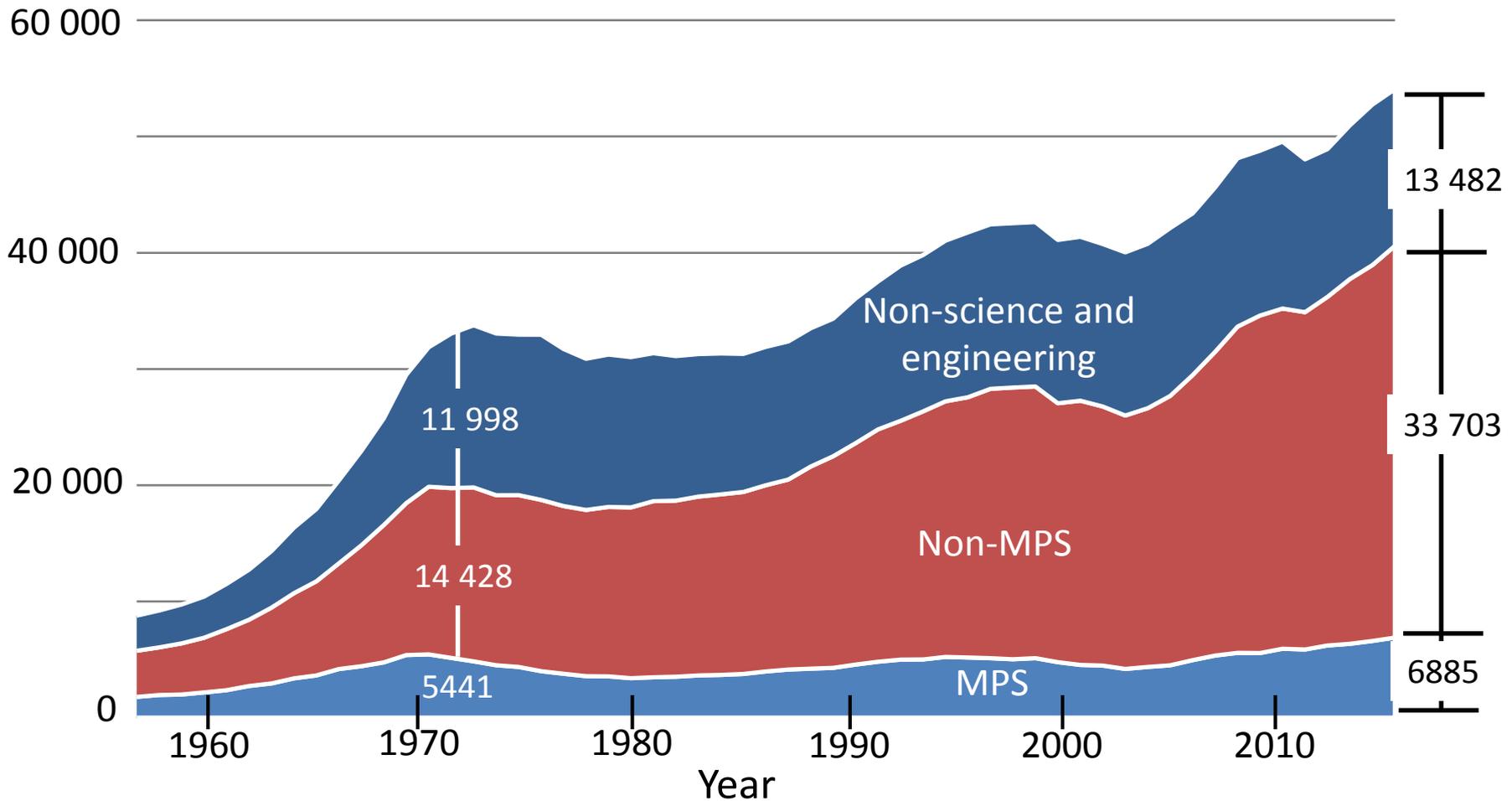


Source: NSCES 2014 Survey of Earned Doctorates



Mathematical and Physical Sciences

All Doctorates 1958 – 2014

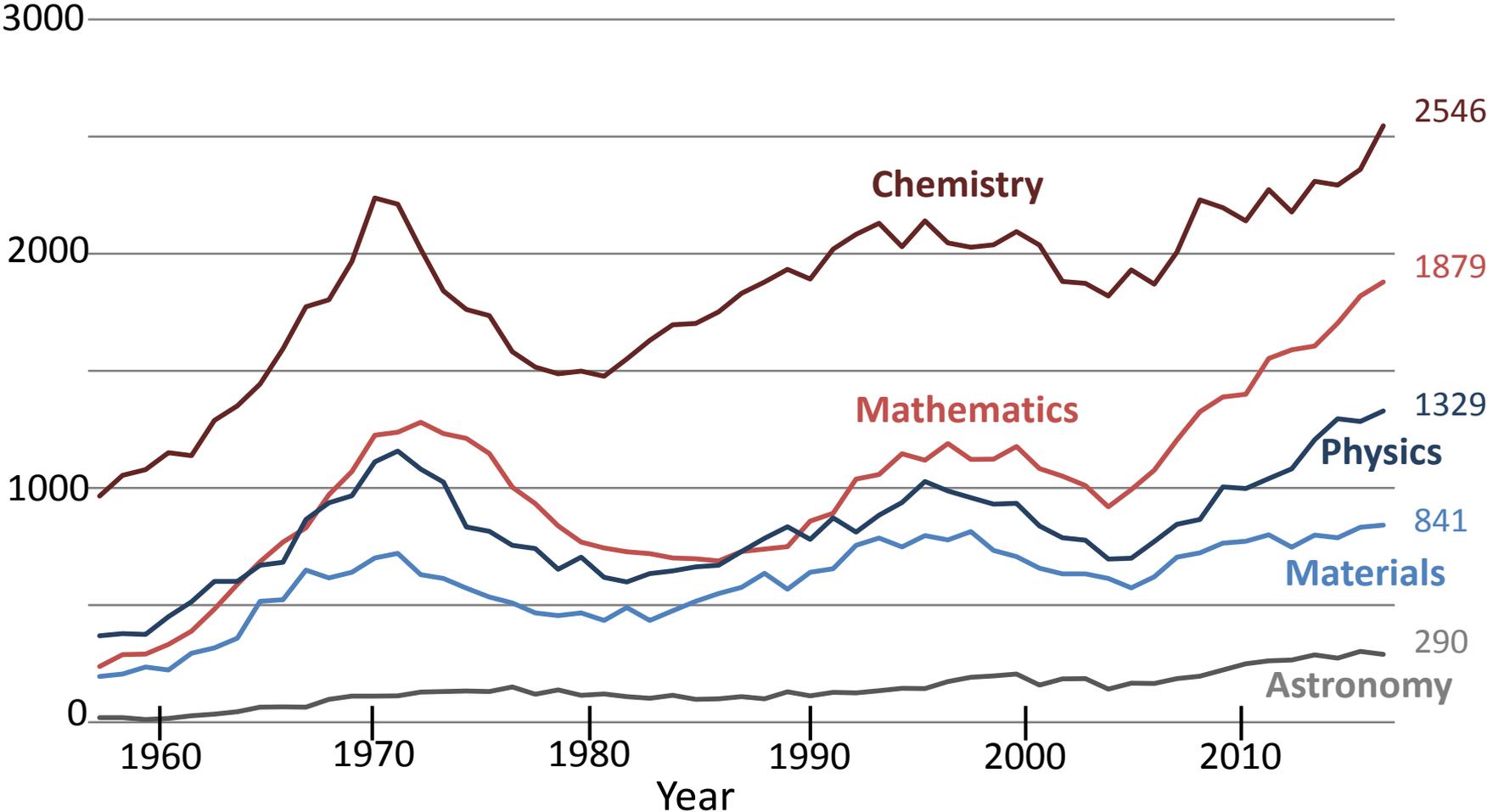


Source: NSCES 2014 Survey of Earned Doctorates



Mathematical and Physical Sciences

Doctorates in MPS Fields 1958 - 2014

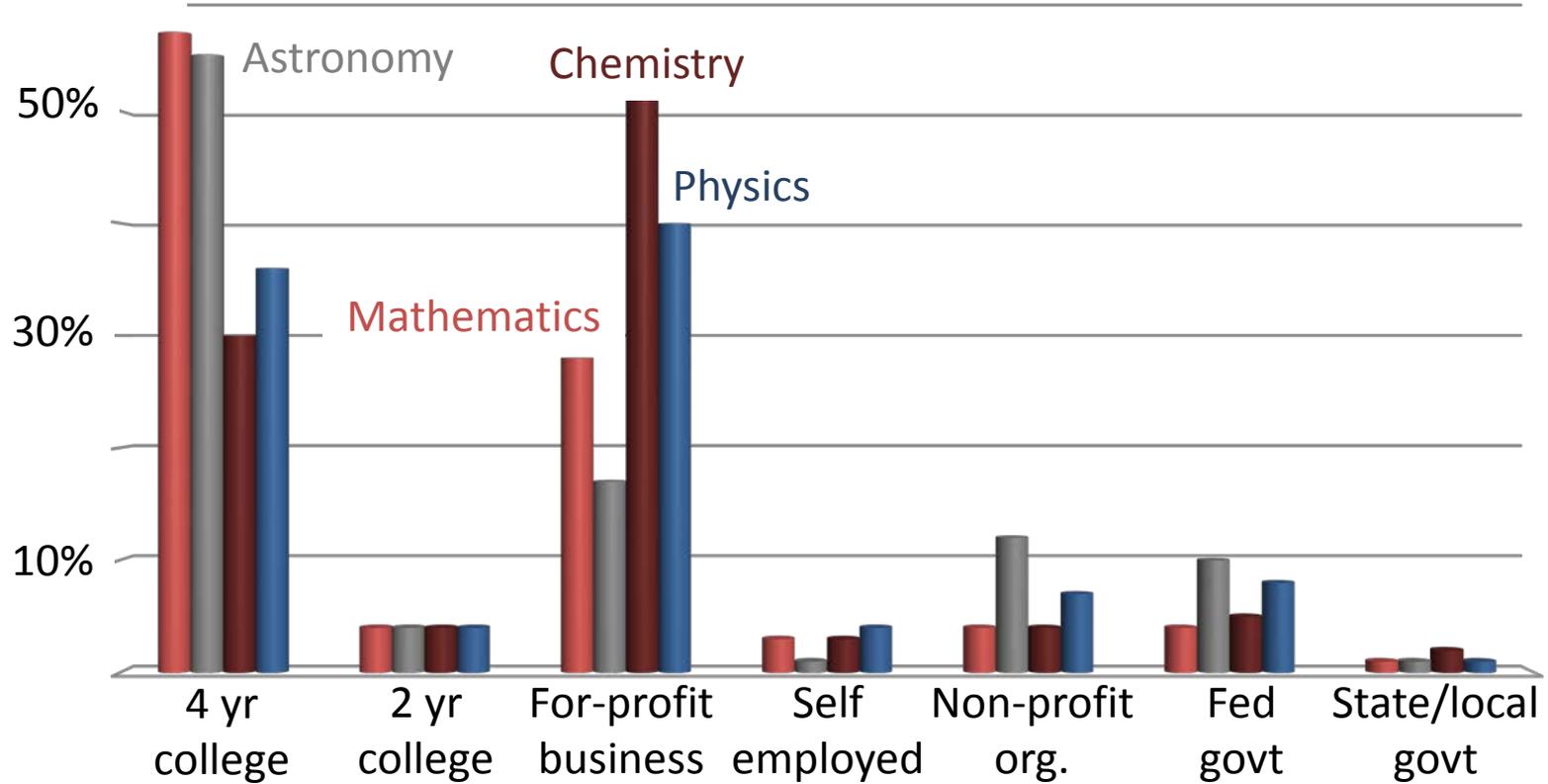


Source: NSCES 2014 Survey of Earned Doctorates



Employment Sector MPS Doctorates 2013

Fraction in Sector



Source: NSCES 2013 Survey of Earned Doctorates



Do we know (beyond anecdote) about how well their graduate experience prepared them?

Possible Proxy Variables

Rates of unemployment, part-time, and full-time employment

Involuntarily employed in job unrelated to doctoral field

Primary and secondary work activity
(for example, research, teaching, management)

In four-year institutions: tenures status, faculty rank

