

Studies, Reports and Change Initiatives on Graduate Education: 1990-present (with a little of the further past)

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Name	Years/Date	Key Issues	URL/Sponsors	Description	Type
Berelson: Graduate Education in the United States	1960		Book by Bernard Berelson	Book on the state of graduate education in the US. A foundational study.	Data/Report
NORC: Stipends and Spouses: the finances of American arts and sciences graduate students	1962	Funding			Data
National Board on Graduate Education	1969-1975 Reports issued 1972-75			Series of 6 reports by a blue ribbon commission established after a conference sponsored by the NAS. #1: purposes, problems and potential; #2 Manpower forecasts and policy; #3 Federal Policy alternatives; #4 Science Development (eval of federal program from the 1965-72); #5 Community Colleges; #6 Outlook and Opportunities for Graduate Education	Report

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Katz and Hartnett: Scholars in the Making: The Development of graduate and professional students	1976		Book by Joseph Katz and Rodney Hartnett	Examines Grad Ed as a psychological, social, and educational process. What are the key elements in the process, from the point of deciding who is admitted, through the entire training and socialization process. What are the implications of this process for individual development and social needs?	Data
Graduate Career Consortium founded	1987	Career: Nonacademic		Professional association for career counselors at research universities working with graduate students	Tool
Bowen and Sosa: Prospects for Faculty in the Arts and Sciences	1989	Number of available future faculty	Book by William Bowen and Julie Ann Sosa	Predicted faculty shortage by the turn of the century	Data
Bowen and Rudenstine: In Pursuit of the PhD	1992	TTD and Completion; structures and requirements	Book by William Bowen and Neil Rudenstine	Major study on the history and major issues in doctoral education related to employment and time to degree. Foundation for the GEI.	Data
Graduate education initiative (GEI), aka Mellon Time to Degree	1991-2000	TTD and Completion	Mellon Foundation	Gave money to better support humanities students, and departments initiated practices to reduce time to degree. Report in 2010, "Educating Scholars:", by Ehrenburg, Zuckerman, Groen and Brucker.	Change

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Preparing Future Faculty program (PFF)	1993-2003	Career Prep: Faculty	AACU + CGS, Funded by Pew, 12 campuses http://www.preparing-faculty.org/	Effort to better inform and prepare PhD students interested in faculty careers; partnerships between research univ and regional teaching focused schools	Change
SREB Doctoral Scholars program	1993 - present	Diversity; Career: Faculty	http://www.sreb.org/doctoral-scholars-program	Long standing effort to increase the number of faculty of color in US colleges through multiple layers of support including annual conference, Institute on Teaching and Mentoring. Started as the Compact for Faculty Diversity.	Change
Reshaping the Graduate Education of Scientists and Engineers	1995	Career: Diversity Transparency & Information Skill development Time to degree & Time to career Mechanisms of support AGS summarized as: program breadth for versatility, reduce TTD, career advising, professional skills training	COSEPUP/National Academies	Highly influential report, with a lot of follow up activities: National Science Board panel, 1996 NAS convocation, AGS survey of univ to collect actions in response. Many other events reference report.	Report
Humanities at Work	1996-2006	Career: Non faculty	Woodrow Wilson National Fellowship Foundation	Fund students for internships in non-academic work places.	Change

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Trends in the Early Careers of Life Scientists	1998	Career	NAS https://www.nap.edu/catalog/6244/trends-in-the-early-careers-of-life-scientists	Provides a lot of data about career paths and time to career	Report
AAU committee on Graduate Education Report and Recommendations	1998	advising/mentoring , career, transparency of info esp about funding, diversity, balance breadth and depth	AAU http://www.aau.edu/workarea/downloadasset.aspx?id=6720	Report from the perspective of AAU universities, in response to COSEPUP. Provides recommendations.	Report
National Institute for Science Education (NISE) Graduate Education Conference. Strengthening Graduate Education in Science and Engineering: Promising Practices and Strategies for Implementation	1998	Themes across practices: Promoting inclusiveness and diversity; strengthening research; optimizing use of resources esp to reduce time to degree; professional skill development, and broadened career preparation for faculty and non faculty careers.	NSF and University of Wisconsin Madison	National conference showcasing promising practices and strategies for change. Organize into three goals (serving educational infrastructures, serving business and Industry, and serving students and society) and 4 units of adoption (individual, departmental, institutional, inter-inst). Focus on the levers for change	Data
Integrative Graduate Education Research Training (IGERT) grants program	1998-2015	Interdisciplinarity	http://www.igert.org/	NSF interdisciplinary research grants	Change

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Alliances for Graduate Education and the Professoriate (AGEP) grants program	1999-2009	Diversity Career: Faculty	http://www.nsfagep.org/	NSF	Change
PhD 10 Years Later (and successor studies)	1999	Career & Satisfaction	Research by Maresi Nerad http://www.education.uw.edu/cirge/	Data collection on the career paths of PhDs 10 years post-PhD.	Data
Reenvisioning the PhD	2000	Transparency, diversity, prep for teaching = broadly defined, robust and integrated professional development, incentives for faculty support for student development.	Concerns: http://depts.washington.edu/envision/resources/ConcernsBrief.pdf Conference Metathemes: https://depts.washington.edu/envision/project/resources/metathemes.html	April 2000 conference, preceded by data collection: Literature review, stakeholder interviews, compilation of promising practices	Report

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Responsive PhD	2000-2005	improvements in the Ph.D., emphasizing interdisciplinary scholarship; preparation for work in a range of academic and nonacademic settings; better recruitment/retention of doctoral students of color; and dynamic connections between Ph.D. programs and the broader society.	Woodrow Wilson National Fellowship and funded also by Pew Trusts. Reports: The Responsive PhD: Innovations in US (report no longer on line)	20 universities trying to do new things in response to reports Report summarizes lessons learned. student diversity, interdisciplinary scholarship, professional development, diverse career options for doctoral students across the arts and sciences, and community engagement.	Change
Diversity and the PhD: A Review of Efforts to Broaden Race and Ethnicity in US Doctoral Education		Diversity	Woodrow Wilson National Fellowship (report no longer on line)	A second report from Responsive PhD. Reviews various efforts. Has 7 recommendations.	Report
The 2000 National Doctoral Program Survey	2000	Satisfaction and availability of various opportunities	NAGPS, Sloan funded (no longer on line)	Ability to compare different doctoral programs on different measures using data provided by students. Yelp for grad school	Data
Professional Science Master's degree programs	2000-2007	Career: Non faculty	https://www.professionalsciencemasters.org	Sloan foundation; Keck Graduate Institute	Change

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At Cross Purposes: What the experiences of today's doctoral students reveal about doctoral education	2001	Career; Practices; Advising; Transparency	Research project by Chris Golde and Timothy Dore; Pew Trusts funded www.phd-survey.org	National survey of doctoral students in 11 disciplines and 28 universities about many aspects of doctoral education, including changing career goals.	Data
Lovitts: Leaving the Ivory Tower	2001	Completion and TTD	Book by Barbara Lovitts	Extensive interviews revealed many of the structural reasons why students leave PhD programs.	Data
Carnegie Initiative on the Doctorate	2001-2006		Carnegie Foundation for the Advancement of Teaching	6 disciplines and 84 departments. Self-assess and make necessary changes.	Change
Education of Historians for the 21 st century	2004	Structures; career; transparency; completion	https://www.historians.org/about-aha-and-membership/aha-history-and-archives/archives/the-education-of-historians-for-the-twenty-first-century	Report by the AHA. Extensive data and recommendations. By Thomas Bender et al.	Report
PhD Completion Project	2004-2010	Completion/TTD	CGS + 40 schools. http://www.phdcompletion.org/	Coordinated data collection about PhD completion rates, and efforts to reduce attrition	Data
Nettles and Millet: Three Magic Letters: Getting to PhD	2006	Diversity; factors leading to completion	Book by Michael Nettles and Catherine Millet	Survey of 9,000 students at 21 universities. Describes factors critical to the progression of the doctoral degree, particularly adequate institutional	Data

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				funding and engaged and accessible faculty mentors.	
Center for the Integration of Research, Teaching, and Learning (CIRTL)	2006 - present	Teaching (prof dev and career); diversity		NSF Center for Learning and Teaching in higher education. CIRTL uses graduate education as the leverage point to develop a national STEM faculty committed to implementing and advancing effective teaching practices for diverse student audiences as part of successful professional careers.	Change
Pathways Through Graduate School and into Careers	2012		http://www.pathwaysreport.org/	Report from CGS and ETS	Report

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My IDP	2012 (idea started with FASEB in 2003)	Career Prep; Advising	Connects with NIH mandate/ AAAS http://myidp.sciencecareers.org/ http://faseb.org/portals/2/PDFs/opa/myIDP-poster-Sept2012.pdf	A tool to enable conversations between students and advisors; information about non-faculty careers; and professional development planning tool. In 2014 NIH strongly encourages use of IDPs for all supported grad students and postdocs.	Tool
Longitudinal Study of Future STEM Scholars	2016	Teaching (prof dev and career)	http://lsfss.wceruw.org/	Examined the preparation of future STEM faculty and academics to teach and mentor undergraduate students.	Data
Teagle Foundation: Graduate Student Teaching in the Arts and Sciences	2010-2016	Career Preparation: Faculty	http://www.teaglefoundation.org/Grants-Initiatives/Current-Initiatives/Current-Initiatives-Listing-Test/Graduate-Student-Teaching-in-the-Arts-and-Sciences/RFP	the Teagle Foundation has dedicated resources towards preparing graduate students, as future faculty members, to teach effectively in a wide variety of higher education settings	Change

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Broadening Experiences in Scientific Training (BEST) program	2013 -	Access to resources Career: Non-faculty Professional Development	http://www.nihbest.org/	NIH	Change
ACLS Public Fellows (2011); Career Diversity for Historians (AHA, 2013); Connected academics (MLA, 2015)	2011 - present	Career: Non faculty	Mellon Foundation ACLS, AHA, MLA https://www.acls.org/programs/publicfellows/ https://www.historians.org/jobs-and-professional-development/career-diversity-for-historians https://connect.mla.hcommons.org/	Three initiatives each working to help PhDs move into non-faculty careers and provide models	Change
Reforming Doctoral Education, 1990 to 2015: Recent Initiatives and Future Prospects	2016		Mellon Foundation https://mellon.org/media/filer_public/35/32/3532f16c-20c4-4213-805d-356f85251a98/report-on-doctoral-education-reform_june-2016.pdf	Summarizes 25 years of reform efforts. Lists 12 areas of concern, and discuss why change is so slow. Humanities focused, but very cogent.	Report