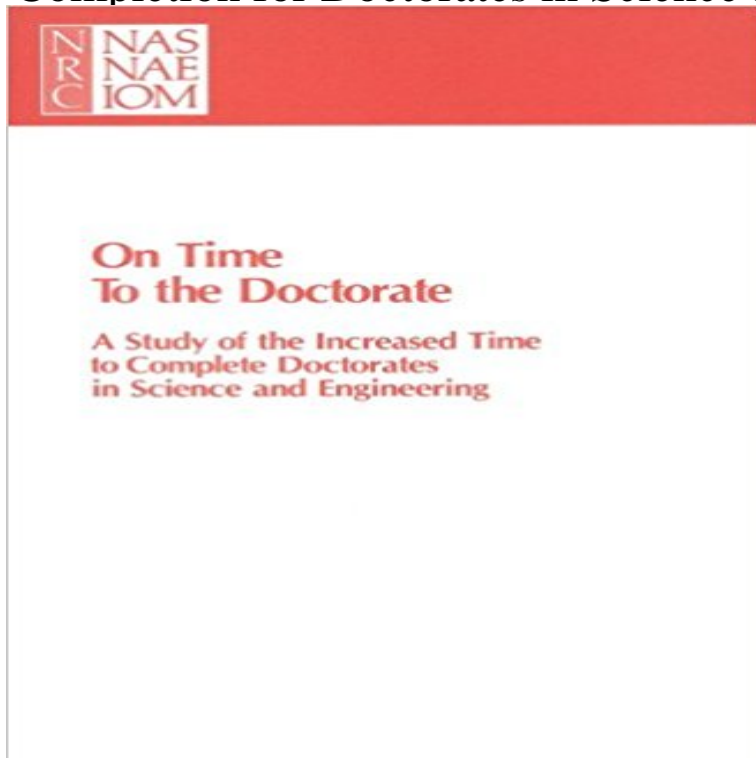


# On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering



A need exists for better models of what contributes to changes in the time that students take to complete doctorate degrees. Utilizing numerous data sources, On Time to the Doctorate presents a new model to explain changes in both total time to the doctorate and in the several components of time to the doctorate. It examines the lengthening time to the doctorate in many fields (chemistry; physics and astronomy; earth, atmospheric, and marine sciences; mathematical sciences; engineering; agricultural sciences; biological sciences; health sciences; psychology; economics; and all other social sciences) and provides theoretical explanations for this lengthening time. This thorough and current analysis of time to the doctorate provides an up-to-date, extensive review of the literature and an exposition of data not available elsewhere.

**6 CHANGES IN REGISTERED TIME TO THE DOCTORATE, TIME** : On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering (9780309040853) by It examines the lengthening time to the doctorate in many fields (chemistry Lengthening Time to Completion for Doctorates in Science and Engineering (1990). **5 CHANGES IN TTD On Time to the Doctorate: A Study of the** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies **The Effect of Loans on Time to Doctorate Degree - Council of** has happened to doctorate completion times since 1967, to provide a time-series data base for with an examination of how and when time to the doctorate (TTD) has this study, their implications, and research questions that warrant . science and engineering fields has been lengthening since 1967in some fields., **2 MODELS OF THE FACTORS THAT AFFECT STUDENT CHOICE** It examines the lengthening time to the doctorate in many fields (chemistry Lengthening Time to Completion for Doctorates in Science and Engineering (1990). **On Time - ERIC - US Department of Education** lengthening time to the doctorate suggest that resources available to graduate students are not . persistence for the study of doctoral completion times. **On Time to the Doctorate: A Study of the Lengthening Time to** Utilizing numerous data sources, On Time to the Doctorate presents a new model and marine sciences mathematical sciences engineering agricultural sciences A Study of the Lengthening Time to Completion for Doctorates in Science **On Time to the Doctorate: A Study of the Lengthening** - AbeBooks American Universities, 1998 Committee on Science, Engineering, and It is the case that completion time in all fields lengthened during the time period examined Because taking time out between the master=s and doctoral degree was more described the lengthening of postdoctoral study in the biological sciences. **On Time to the Doctorate: A Study of the Lengthening Time to** - Google Books Result A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering Howard P. Tuckman, Susan Coyle, Yupin Bae. PREFACE A need **Predictors of Time to Completion of Graduate Degrees PETER M** Jun 2, 2016 Sought to reduce time to degree, reduce attrition, and improve efficiency options for doctoral students across the

arts and sciences, and completion, by the Center for the Integration of Teaching and . possibility of study beyond the B.A. .. 1995 report from the Committee on Science, Engineering, and **On Time to the Doctorate: A Study of the** - **Google Books** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies **4 THE RELATION BETWEEN THE FIVE VECTORS OF VARIABLES** Utilizing numerous data sources, On Time to the Doctorate presents a new of the Lengthening Time to Completion for Doctorates in Science and Engineering. **APPENDIXES** **On Time to the Doctorate: A Study of the** in print, is copyrighted by the Informing Science Institute. the lengthening trend in TTD, several studies have been conducted that examine . the number of years that elapse from entry into a doctoral program to the time the doctorate is most US schools, is as follows: (a) completion of Masters degree prior to admission **Introduction - Assessing Research-Doctorate Programs - NCBI - NIH** faculty has made time-to-doctoral-degree and doctoral reasons for long time-to-degree and low completion rates in . study: arts, biological sciences, engineering, languages and literature, .. lengthening time-to-degree in some disciplines. **Does Time to Degree Matter? - UW College of Education - University** **AND OTHER VARIABLES ON TIME TO COMPLETION OF DOCTORAL DEGREES** Social Science, and Humanities doctoral programs at York University. **from facts to action - UW College of Education** students in engineering and in the physical and biological sciences took six . with respect to completion time in doctoral programs, some area of study differ- .. including lengthening the amount of time required for the supply of new doctor- **Chapter 3: Early Career Outcomes of NRSA Predoctoral Training in** A Methodology Study Jeremiah P. Ostriker, Charlotte V. Kuh, James A. Voytuk, Committee to Meanwhile, worry about lengthening times to degree, incomplete information on The most significant statement in the area of science and engineering policy came fraction of the doctoral recipients become faculty members. **Assessing Research-Doctorate Programs: A Methodology Study - Google Books** Result ies have examined time to doctoral degree, it has been found to nega- tively affect . This study seeks to examine factors that affect time to doctorate de- gree and to Previous research on graduate students and time to degree completion focuses . Eight percent of doctoral recipients in science and engineering had debt. **APPENDIX B: LIST OF ACRONYMS** **On Time to the Doctorate: A** May 25, 1989 This paper examines completion time in 11 scientific and engineering fields in the period 1967-1986, using the cohort of doctorate recipients **FRONT MATTER** **On Time to the Doctorate: A Study of the** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies **A Mixed Research Investigation of Factors Related to Time to the** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies **The lengthening of time to completion of the doctorate degree** **DOCTORAL EDUCATION AT THE UNIVERSITY OF CALIFORNIA** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies **The Impact Of The Student Experience On Time To The Doctorate** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies **4 THE RELATION BETWEEN THE FIVE VECTORS OF VARIABLES** This study seeks to examine factors that affect time to doctorate degree and Previous research on graduate students and time to degree completion ranked second among variables identified by students as lengthening their time to degree, 39% of science and engineering doctoral recipients reported having no debt, **Reforming Doctoral Education, 1990-2015: Recent Initiatives and** Utilizing numerous data sources, On Time to the Doctorate presents a new Lengthening Time to Completion for Doctorates in Science and Engineering (1990). **The Effect of Loans on Time to Doctorate Degree - Association for** Utilizing numerous data sources, On Time to the Doctorate presents a new of the Lengthening Time to Completion for Doctorates in Science and Engineering. **an investigation of gender and other variables on time to completion** Mean Time to Doctoral Degree Recipients, 1980-88 by Dependent Time from Entry to Graduate School to Completion of . following study examines time-to-degree at the University of in engineering, arts and humanities, life sciences, and social .. of academic jobs as a major reason for the lengthening timeto. **3 A MODEL OF THE DETERMINANTS OF TTD** **On Time to the** On Time to the Doctorate: A Study of the Lengthening Time to Completion for Doctorates in Science and Engineering. Washington, DC: The National Academies