■ Loyola as a Generator of PhDs

Terra Schehr October, 2007



Loyola as a Generator of PhDs

Introduction

Since 1957, the National Science Foundation (NSF) has been conducting the Survey of Earned Doctorates (SED). As students receive a research doctorate their home institution provides them with the SED, collects the completed SEDs, and submits the surveys to the NSF subcontractor for data entry.

The NSF's analysis of completed surveys compared to the number of doctorates reported to the National Center for Education Statistics each year reveals "little coverage error of institutions." As an example, the response rate in 2005 was 92%.

One element collected on the SED is baccalaureate institution. These data have been used to generate reports on baccalaureate origins of PhDs. Chris Winters at Williams College developed a tool to quickly analyze the baccalaureate origins data and that tool has been used to generate displays of the numbers of Loyola baccalaureate recipients that have gone on to earn PhDs and to compare Loyola's generation of PhDs to that of other top catholic comprehensive institutions. These data—disaggregated by discipline—for the 1966-67 through the 1999 graduating classes are found on the following pages.

Executive Summary

- There is a downward trend at Loyola and among the peer group in the proportion of undergraduate classes going on to earn PhDs.
 - With the exception of Saint Joseph's, variability among the peer group institutions in PhDs earned across all disciplines has lessened since the early 1980s.
- ♦ Loyola has hovered around the average of the peer group in terms of the proportion of bachelor degree graduates who have gone on to earn a PhD.
 - ♦ When looking at the numbers of PhDs generated by the peer group's graduates, Loyola's share of doctorates has increased over time.
 - ♦ In the most recent class grouping, Loyola—at 2.7% or 95 of its undergraduates having gone on to receive PhDs—leads the peer group.
- ♦ The leading areas for Loyola bachelor degree graduates who have gone on to earn a PhD are the life sciences followed by education and the humanities.

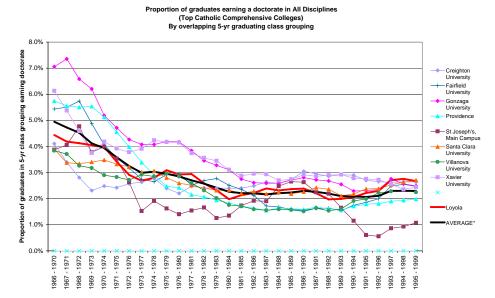
Office of Institutional Research

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¹ National Science Foundation, Survey of Earned Doctorates, available online: http://www.nsf.gov/statistics/srvydoctorates/>

Doctoral field = All Disciplines

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in All Disciplines (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	3.4%	2.3%	2.4%	2.6%	2.4%	2.5%	2.4%	2.4%	2.6%	2.7%	2.9%	2.9%	2.7%	2.6%	2.6%
Fairfield University	5.5%	4.9%	3.6%	2.7%	2.9%	2.5%	2.8%	2.4%	1.7%	1.6%	1.6%	1.5%	1.9%	2.5%	2.5%
Gonzaga University	7.4%	6.2%	4.7%	4.1%	4.2%	3.8%	3.3%	2.8%	2.6%	2.7%	2.7%	2.5%	2.3%	2.8%	2.5%
Providence	5.6%	5.5%	4.6%	3.4%	2.5%	2.2%	1.9%	1.7%	1.5%	1.6%	1.7%	1.6%	1.8%	1.9%	2.0%
St Joseph's, Main Campus	4.1%	3.8%	3.5%	1.5%	1.6%	1.5%	1.3%	1.7%	1.9%	2.7%	2.2%	1.6%	0.6%	0.9%	1.1%
Santa Clara University	3.4%	3.4%	3.3%	3.0%	2.8%	2.5%	2.3%	2.2%	2.2%	2.2%	2.4%	2.1%	2.4%	2.5%	2.7%
Villanova University	3.7%	3.2%	2.8%	2.9%	3.0%	2.6%	2.0%	1.7%	1.6%	1.6%	1.6%	1.6%	2.0%	2.3%	2.2%
Xavier University	5.4%	3.7%	3.9%	3.9%	4.2%	3.7%	3.5%	2.9%	2.9%	2.7%	2.9%	2.9%	2.8%	2.6%	2.4%
Loyola	4.2%	4.1%	3.4%	2.7%	3.1%	2.9%	2.3%	2.1%	2.4%	2.4%	2.2%	2.0%	2.2%	2.7%	2.7%
AVERAGE*	4.7%	4.1%	3.6%	3.0%	3.0%	2.7%	2.4%	2.2%	2.2%	2.2%	2.3%	2.1%	2.1%	2.3%	2.3%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of graduates earning a doctorate in All Disciplines THEN (cohort = 1967 - 1971) NOW (cohort = 1995 - 1999) 1 California Institute of Technology California Institute of Technology 33.0% 2 Harvey Mudd College Harvey Mudd College 3 Massachusetts Institute of Technology 29.0% Reed College 20.9% 19.6% 4 University of Chicago 28.7% Swarthmore College 27.5% 16.7% 5 Swarthmore College Carleton College 6 Bryn Mawr College 23.4% Massachusetts Institute of Technology 16.4% 7 Reed College Bryn Mawr College 16.0% 8 Haverford College 22.4% Oberlin College 15.3%

Grinnell College

University of Chicago

15.1%

14.8%

Source for doctorates by institution: NSF Survey of Earned Doctorates Source for baccalaureate degrees by institution: IPEDS Completions Survey Assumption: Doctorates received correspond to baccalaureate degrees received 5 years earlier The Baccalaureate Origins of Doctoral Recipients Peer Comparison Tool © Chris Winters, Williams College

9 Oberlin College

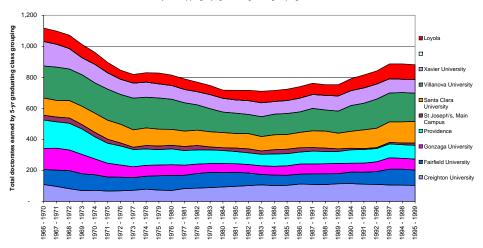
10 Pomona College

cwinters@williams.edu, 413-597-4475

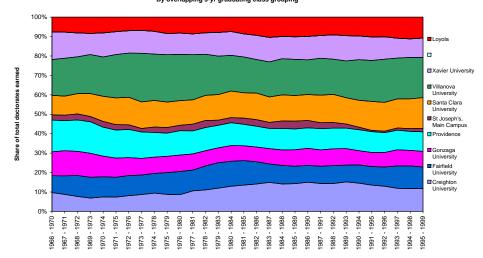
Doctoral field = All Disciplines

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in All Disciplines (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in All Disciplines (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in All Disciplines (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	96	69	66	71	72	83	89	97	106	103	109	114	110	105	103
Fairfield University	105	108	91	82	93	85	98	90	67	65	68	65	78	102	98
Gonzaga University	142	125	89	70	69	65	57	55	56	61	64	64	59	74	71
Providence	170	164	129	111	99	94	87	79	74	78	83	79	87	89	89
St Joseph's, Main Campus	31	28	25	15	24	27	20	23	22	29	23	16	6	10	15
Santa Clara University	107	119	123	112	108	99	98	93	93	95	108	102	121	133	140
Villanova University	215	203	200	205	202	183	148	132	128	135	145	142	172	186	182
Xavier University	147	110	106	96	90	85	91	85	90	84	89	98	99	91	88
Loyola	85	85	67	56	70	68	59	62	74	73	72	72	83	96	95
TOTAL	1,098	1,011	896	818	827	789	747	716	710	723	761	752	815	886	881

Top Ten Schools THEN & NOW

number of graduates earning a doctorate in All Disciplines

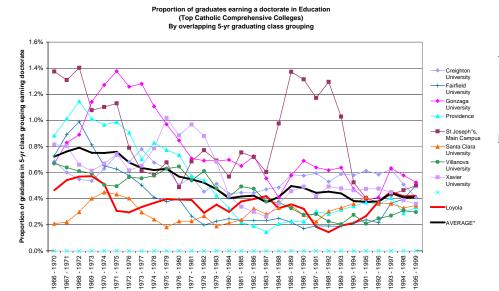
by number of	or graduates earnin	ig a doctorate in Ali Disciplines	
THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)	
1 University of California-Berkeley	2,212	University of California-Berkeley	2,103
2 University of Michigan at Ann Arbor	1,685	University of Michigan at Ann Arbor	1,531
3 University of Illinois at Urbana-Champaign	1,634	University of Illinois at Urbana-Champaign	1,347
4 University of California-Los Angeles	1,504	University of California-Los Angeles	1,292
5 Harvard University	1,446	University of Texas at Austin	1,280
6 University of Wisconsin-Madison	1,421	Harvard University	1,271
7 CUNY City College	1,381	Pennsylvania State U, Main Campus	1,228
8 Massachusetts Institute of Technology	1,246	University of Wisconsin-Madison	1,175
9 University of Texas at Austin	1,221	Brigham Young University, Main Campus	1,105
10 Michigan State University	1,186	Massachusetts Institute of Technology	979

Individual schools' shares of total doctorates earned in All Disciplines (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	9%	7%	7%	9%	9%	11%	12%	14%	15%	14%	14%	15%	13%	12%	12%
Fairfield University	10%	11%	10%	10%	11%	11%	13%	13%	9%	9%	9%	9%	10%	12%	11%
Gonzaga University	13%	12%	10%	9%	8%	8%	8%	8%	8%	8%	8%	9%	7%	8%	8%
Providence	15%	16%	14%	14%	12%	12%	12%	11%	10%	11%	11%	11%	11%	10%	10%
St Joseph's, Main Campus	3%	3%	3%	2%	3%	3%	3%	3%	3%	4%	3%	2%	1%	1%	2%
Santa Clara University	10%	12%	14%	14%	13%	13%	13%	13%	13%	13%	14%	14%	15%	15%	16%
Villanova University	20%	20%	22%	25%	24%	23%	20%	18%	18%	19%	19%	19%	21%	21%	21%
Xavier University	13%	11%	12%	12%	11%	11%	12%	12%	13%	12%	12%	13%	12%	10%	10%
Loyola	8%	8%	7%	7%	8%	9%	8%	9%	10%	10%	9%	10%	10%	11%	11%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Doctoral field = Education

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in Education (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	0.6%	0.5%	0.7%	0.8%	0.6%	0.6%	0.5%	0.4%	0.5%	0.6%	0.6%	0.6%	0.6%	0.6%	0.4%
Fairfield University	0.9%	0.8%	0.6%	0.5%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.4%	0.5%
Gonzaga University	0.8%	1.1%	1.4%	1.3%	1.0%	0.7%	0.7%	0.7%	0.6%	0.6%	0.6%	0.6%	0.4%	0.6%	0.5%
Providence	1.0%	1.0%	1.0%	0.7%	0.8%	0.6%	0.4%	0.2%	0.1%	0.2%	0.3%	0.3%	0.4%	0.4%	0.3%
St Joseph"s, Main Campus	1.3%	1.1%	1.1%	0.6%	0.7%	0.7%	0.7%	0.8%	0.6%	1.4%	1.2%	1.0%	0.4%	0.4%	0.5%
Santa Clara University	0.2%	0.4%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.3%	0.4%	0.4%	0.3%
Villanova University	0.6%	0.6%	0.5%	0.6%	0.6%	0.5%	0.5%	0.5%	0.4%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%
Xavier University	0.8%	0.6%	0.7%	0.7%	1.0%	1.0%	0.7%	0.3%	0.3%	0.5%	0.4%	0.5%	0.5%	0.4%	0.4%
Loyola	0.5%	0.6%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.2%	0.2%	0.3%	0.5%	0.4%
AVERAGE*	0.8%	0.8%	0.8%	0.6%	0.6%	0.5%	0.5%	0.4%	0.4%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of graduates earning a doctorate in Education

by percenta	ige oi graduales e	arriing a doctorate in Education	
THEN (cohort = 1967 - 1971)	NOW (cohort = 1995 - 199	9)
1 Manhattan Christian College	5.2%	Cleveland Institute of Music	4.0%
2 University of the District of Columbia	4.7%	Fisk University	2.9%
3 Morehouse College	4.1%	Fort Valley State University	2.7%
4 Harris-Stowe State College	4.0%	Wesleyan College	2.5%
5 Philander Smith College	4.0%	Concordia Teachers College	2.4%
6 Springfield College	3.9%	Tougaloo College	2.1%
7 Fisk University	3.7%	Cheyney University of Pennsylvania	2.1%
8 Wheaton College (Wheaton, IL)	3.7%	Jackson State University	2.0%
9 Virginia State University	3.5%	Hendrix College	2.0%
O Florida Agricultural and Mechanical Universit	ty 3.4%	Union College (Lincoln, NE)	2.0%

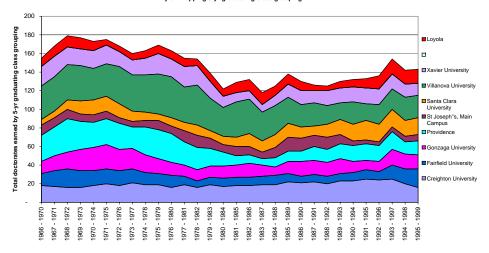
Source for doctorates by institution: NSF Survey of Earned Doctorates
Source for baccalaureate degrees by institution: IPEDS Completions Survey
Assumption: Doctorates received correspond to baccalaureate degrees received 5 years earlier

The Baccalaureate Origins of Doctoral Recipients Peer Comparison Tool © Chris Winters, Williams College cwinters@williams.edu, 413-597-4475

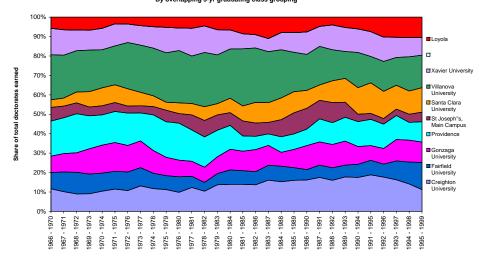
Doctoral field = Education

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in Education (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in Education (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in Education (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	17	16	20	21	19	19	19	18	19	22	22	23	25	25	16
Fairfield University	17	18	16	15	12	9	8	9	9	9	8	8	10	15	20
Gonzaga University	16	23	26	22	16	12	12	13	12	13	15	16	10	17	15
Providence	31	30	28	23	31	25	19	10	7	11	15	16	18	19	15
St Joseph"s, Main Campus	10	8	8	6	10	12	11	10	7	15	12	10	4	5	7
Santa Clara University	7	14	16	11	7	9	8	10	12	15	10	16	21	19	18
Villanova University	37	38	35	39	43	38	35	38	31	28	25	18	18	22	24
Xavier University	22	18	20	16	22	22	18	10	8	14	13	16	17	16	13
Loyola	11	12	6	7	9	9	9	11	13	11	6	7	10	16	15
TOTAL	168	177	175	160	169	155	139	129	118	138	126	130	133	154	143

Top Ten Schools THEN & NOW

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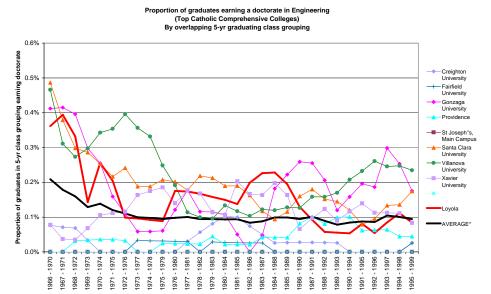
THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)	
1 Ohio State University, Main Campus	318	University of Texas at Austin	210
2 Brigham Young University, Main Campus	279	Michigan State University	178
3 University of Illinois at Urbana-Champaign	274	University of Florida	169
4 Michigan State University	271	University of California-Los Angeles	168
5 University of Michigan at Ann Arbor	264	Pennsylvania State U, Main Campus	165
6 Wayne State University	258	University of Illinois at Urbana-Champaign	155
7 Pennsylvania State U, Main Campus	251	Florida State University	152
8 CUNY Brooklyn College	250	Brigham Young University, Main Campus	151
9 University of Wisconsin-Madison	244	Southern Illinois University-Carbondale	147
10 University of California-Los Angeles	238	Ohio State University, Main Campus	143

Individual schools' shares of total doctorates earned in Education (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 -	1991 -	1993 - 1997	1995 -
Creighton University	10%	9%	11%	13%	11%	12%	14%	14%	16%	16%	17%	18%	19%	16%	11%
Fairfield University	10%	10%	9%	9%	7%	6%	6%	7%	8%	7%	6%	6%	8%	10%	14%
Gonzaga University	10%	13%	15%	14%	9%	8%	9%	10%	10%	9%	12%	12%	8%	11%	10%
Providence	18%	17%	16%	14%	18%	16%	14%	8%	6%	8%	12%	12%	14%	12%	10%
St Joseph"s, Main Campus	6%	5%	5%	4%	6%	8%	8%	8%	6%	11%	10%	8%	3%	3%	5%
Santa Clara University	4%	8%	9%	7%	4%	6%	6%	8%	10%	11%	8%	12%	16%	12%	13%
Villanova University	22%	21%	20%	24%	25%	25%	25%	29%	26%	20%	20%	14%	14%	14%	17%
Xavier University	13%	10%	11%	10%	13%	14%	13%	8%	7%	10%	10%	12%	13%	10%	9%
Loyola	7%	7%	3%	4%	5%	6%	6%	9%	11%	8%	5%	5%	8%	10%	10%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Doctoral field = Engineering

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in Engineering (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fairfield University	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Gonzaga University	0.4%	0.3%	0.2%	0.1%	0.1%	0.2%	0.1%	0.1%	0.0%	0.2%	0.3%	0.1%	0.2%	0.3%	0.2%
Providence	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%
St Joseph"s, Main Campus	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Santa Clara University	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.2%	0.1%	0.1%	0.1%	0.2%
Villanova University	0.3%	0.3%	0.4%	0.4%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%
Xavier University	0.0%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%
Loyola	0.4%	0.1%	0.2%	0.1%	0.1%	0.2%	0.2%	0.1%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%
AVERAGE*	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of graduates earning a doctorate in Engineering

THEN (cohort = 1967 - 1971)	NOW (cohort = 1995 - 1999)	
Massachusetts Institute of Technology	9.9%	California Institute of Technology	9.7%
2 California Institute of Technology	8.9%	Massachusetts Institute of Technology	5.6%
3 Cooper Union	6.7%	Harvey Mudd College	4.7%
4 Polytechnic University	5.6%	Cooper Union	3.6%
5 Harvey Mudd College	4.4%	Rensselaer Polytechnic Institute	3.2%
Rensselaer Polytechnic Institute	4.2%	Carnegie Mellon University	2.4%
7 Worcester Polytechnic Institute	3.3%	Case Western Reserve University	2.3%
Montana Tech of the University of Montana	3.3%	Colorado School of Mines	2.3%
Carnegie Mellon University	3.2%	Georgia Institute of Technology, Main Campu	2.2%
University of Missouri, Rolla	3.1%	University of Missouri, Rolla	2.1%

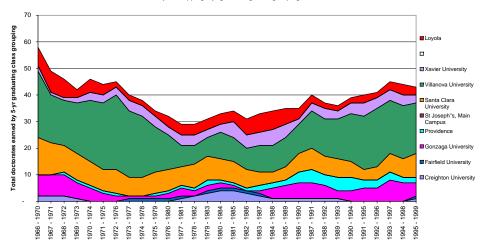
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Source for baccalaureate degrees by institution: IPEDS Completions Survey
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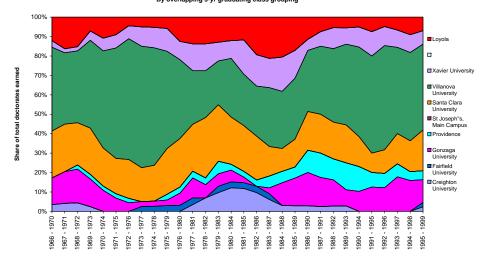
Doctoral field = Engineering

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in Engineering (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in Engineering (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in Engineering (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	2	1	-	-	-	1	3	4	2	1	1	1	-	-	1
Fairfield University	-	-	-	1	1	1	1	1	1	-	-	-	-	-	1
Gonzaga University	8	6	3	1	1	3	2	1	1	5	6	3	5	8	5
Providence	-	1	1	-	1	1	2	1	2	2	5	5	3	3	2
St Joseph"s, Main Campus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Santa Clara University	12	10	8	7	8	7	9	8	5	5	8	7	4	7	9
Villanova University	18	19	25	25	17	8	7	9	10	11	14	15	20	20	19
Xavier University	1	2	3	4	4	4	3	6	5	5	3	3	5	4	3
Loyola	8	3	4	2	2	4	4	4	7	6	3	2	3	3	3
TOTAL	49	42	44	40	34	29	31	34	33	35	40	36	40	45	43

Top Ten Schools THEN & NOW

raduates earning a doctorate in Engineering

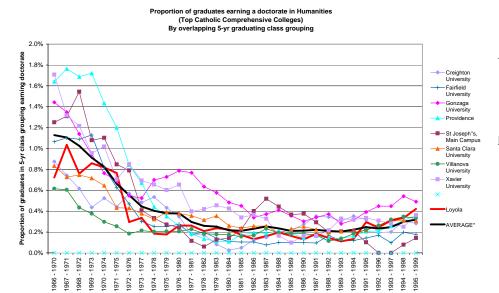
	by number of	i graduates earning a docti	orate in Engineering	
	THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)	
1	Massachusetts Institute of Technology	424	Massachusetts Institute of Technology	336
2	! University of California-Berkeley	261	University of Illinois at Urbana-Champaign	269
3	University of Illinois at Urbana-Champaign	249	University of California-Berkeley	264
4	Purdue University, Main Campus	234	Pennsylvania State U, Main Campus	219
5	University of Michigan at Ann Arbor	195	Georgia Institute of Technology, Main Campu	212
6	University of Wisconsin-Madison	167	University of Michigan at Ann Arbor	212
7	Rensselaer Polytechnic Institute	164	Purdue University, Main Campus	196
8	CUNY City College	148	Virginia Polytechnic Institute and State Univ	177
9	Pennsylvania State U, Main Campus	146	Rensselaer Polytechnic Institute	155
10	Georgia Institute of Technology, Main Campu	136	University of Texas at Austin	151

Individual schools' shares of total doctorates earned in Engineering (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	4%	2%	0%	0%	0%	3%	10%	12%	6%	3%	3%	3%	0%	0%	2%
Fairfield University	0%	0%	0%	3%	3%	3%	3%	3%	3%	0%	0%	0%	0%	0%	2%
Gonzaga University	16%	14%	7%	3%	3%	10%	6%	3%	3%	14%	15%	8%	13%	18%	12%
Providence	0%	2%	2%	0%	3%	3%	6%	3%	6%	6%	13%	14%	8%	7%	5%
St Joseph"s, Main Campus	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Santa Clara University	24%	24%	18%	18%	24%	24%	29%	24%	15%	14%	20%	19%	10%	16%	21%
Villanova University	37%	45%	57%	63%	50%	28%	23%	26%	30%	31%	35%	42%	50%	44%	44%
Xavier University	2%	5%	7%	10%	12%	14%	10%	18%	15%	14%	8%	8%	13%	9%	7%
Loyola	16%	7%	9%	5%	6%	14%	13%	12%	21%	17%	8%	6%	8%	7%	7%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Doctoral field = Humanities

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in Humanities (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	0.7%	0.4%	0.4%	0.5%	0.4%	0.2%	0.1%	0.0%	0.1%	0.2%	0.4%	0.3%	0.3%	0.2%	0.3%
Fairfield University	1.1%	1.1%	0.6%	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
Gonzaga University	1.3%	0.9%	0.7%	0.5%	0.7%	0.8%	0.6%	0.5%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.5%
Providence	1.8%	1.7%	1.2%	0.7%	0.3%	0.2%	0.1%	0.2%	0.2%	0.2%	0.2%	0.1%	0.2%	0.3%	0.4%
St Joseph"s, Main Campus	1.3%	1.1%	0.8%	0.4%	0.3%	0.1%	0.1%	0.2%	0.5%	0.4%	0.3%	0.2%	0.1%	0.0%	0.1%
Santa Clara University	0.7%	0.7%	0.4%	0.4%	0.4%	0.4%	0.4%	0.2%	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%
Villanova University	0.6%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.2%	0.3%	0.3%
Xavier University	1.3%	1.0%	0.7%	0.7%	0.6%	0.4%	0.5%	0.3%	0.3%	0.1%	0.2%	0.3%	0.3%	0.3%	0.4%
Loyola	1.0%	0.9%	0.8%	0.3%	0.2%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.3%	0.3%	0.4%
AVERAGE*	1.1%	0.9%	0.7%	0.4%	0.4%	0.3%	0.3%	0.2%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of graduates earning a doctorate in Humanities

Dy I	rercentage of graduates ear	ming a doctorate in numanities	
THEN (cohort = 196	7 - 1971)	NOW (cohort = 1995 - 19	199)
1 Bryn Mawr College	9.0%	Reed College	4.8%
2 Swarthmore College	7.1%	Amherst College	4.6%
3 University of Chicago	6.6%	St John's College (Annapolis, MD)	4.0%
4 Haverford College	5.7%	Yale University	3.9%
5 Amherst College	5.6%	Swarthmore College	3.8%
6 Hamilton College	5.5%	Wesleyan University	3.6%
7 Wellesley College	5.3%	Carleton College	3.6%
8 Barnard College	5.3%	Hampshire College	3.5%
9 Harvard University	5.0%	Bryn Mawr College	3.5%
Carleton College	4.5%	Williams College	3.3%

Source for doctorates by institution: NSF Survey of Earned Doctorates
Source for baccalaureate degrees by institution: IPEDS Completions Survey
Assumption: Doctorates received correspond to baccalaureate degrees received 5 years earlier

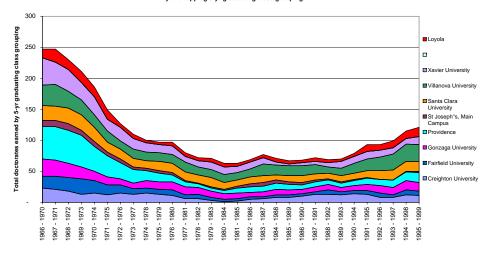
The Baccalaureate Origins of Doctoral Recipients Peer Comparison Tool © Chris Winters, Williams College

cwinters@williams.edu, 413-597-4475

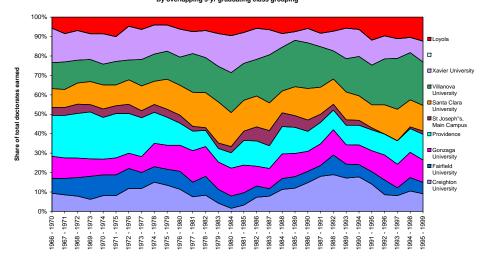
Doctoral field = Humanities

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in Humanities (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in Humanities (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in Humanities (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	21	13	12	13	13	6	3	2	6	8	13	12	13	8	11
Fairfield University	21	25	16	9	8	6	5	4	3	4	4	5	6	4	7
Gonzaga University	26	19	13	9	12	13	10	9	8	8	8	7	10	12	14
Providence	54	51	34	22	14	8	5	8	9	9	8	7	10	12	16
St Joseph"s, Main Campus	10	8	6	4	4	2	2	3	6	4	3	2	1	-	2
Santa Clara University	23	25	16	14	15	14	15	10	11	10	10	10	11	16	16
Villanova University	35	24	18	15	14	16	13	12	19	16	15	12	19	26	27
Xavier University	36	28	19	17	13	9	12	10	10	3	5	11	12	10	13
Loyola	21	18	15	7	4	6	6	5	5	5	6	4	11	11	15
TOTAL	247	211	149	110	97	80	71	63	77	67	72	70	93	99	121

Top Ten Schools THEN & NOW

of graduates earning a doctorate in Humanities

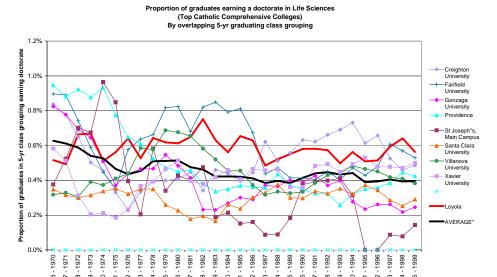
THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)	
1 Harvard University	373	University of California-Berkeley	335
2 University of California-Berkeley	292	Yale University	253
3 Stanford University	246	Harvard University	222
4 Columbia University in the City of New York	245	University of Michigan at Ann Arbor	184
5 University of California-Los Angeles	237	University of California-Los Angeles	164
6 University of Michigan at Ann Arbor	237	Brown University	153
7 Yale University	202	Columbia University in the City of New York	148
8 CUNY City College	186	Princeton University	147
9 CUNY Brooklyn College	174	University of Texas at Austin	140
10 University of Wisconsin-Madison	166	Brigham Young University Main Campus	134

Individual schools' shares of total doctorates earned in Humanities (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 -	1987 - 1991	1989 -	1991 -	1993 - 1997	1995 -
Creighton University	9%	6%	8%	12%	13%	8%	4%	3%	8%	12%	18%	17%	14%	8%	9%
Fairfield University	9%	12%	11%	8%	8%	8%	7%	6%	4%	6%	6%	7%	6%	4%	6%
Gonzaga University	11%	9%	9%	8%	12%	16%	14%	14%	10%	12%	11%	10%	11%	12%	12%
Providence	22%	24%	23%	20%	14%	10%	7%	13%	12%	13%	11%	10%	11%	12%	13%
St Joseph"s, Main Campus	4%	4%	4%	4%	4%	3%	3%	5%	8%	6%	4%	3%	1%	0%	2%
Santa Clara University	9%	12%	11%	13%	15%	18%	21%	16%	14%	15%	14%	14%	12%	16%	13%
Villanova University	14%	11%	12%	14%	14%	20%	18%	19%	25%	24%	21%	17%	20%	26%	22%
Xavier University	15%	13%	13%	15%	13%	11%	17%	16%	13%	4%	7%	16%	13%	10%	11%
Loyola	9%	9%	10%	6%	4%	8%	8%	8%	6%	7%	8%	6%	12%	11%	12%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Doctoral field = Life Sciences

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in Life Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	0.8%	0.5%	0.3%	0.3%	0.4%	0.4%	0.5%	0.4%	0.6%	0.6%	0.6%	0.7%	0.6%	0.5%	0.5%
Fairfield University	0.9%	0.6%	0.4%	0.6%	0.8%	0.7%	0.8%	0.8%	0.4%	0.4%	0.4%	0.4%	0.4%	0.6%	0.5%
Gonzaga University	0.8%	0.6%	0.4%	0.5%	0.5%	0.4%	0.2%	0.3%	0.4%	0.4%	0.4%	0.4%	0.2%	0.3%	0.2%
Providence	0.9%	0.9%	0.8%	0.6%	0.5%	0.5%	0.3%	0.4%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.4%
St Joseph"s, Main Campus	0.5%	0.7%	0.8%	0.2%	0.3%	0.4%	0.2%	0.2%	0.1%	0.2%	0.4%	0.4%	0.0%	0.1%	0.1%
Santa Clara University	0.3%	0.3%	0.4%	0.3%	0.3%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.4%	0.4%	0.3%	0.3%
Villanova University	0.3%	0.4%	0.4%	0.6%	0.7%	0.7%	0.5%	0.5%	0.3%	0.3%	0.4%	0.4%	0.5%	0.4%	0.4%
Xavier University	0.5%	0.2%	0.2%	0.4%	0.5%	0.4%	0.4%	0.4%	0.5%	0.4%	0.5%	0.4%	0.5%	0.5%	0.5%
Loyola	0.5%	0.7%	0.6%	0.5%	0.6%	0.6%	0.6%	0.7%	0.5%	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%
AVERAGE*	0.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of graduates earning a doctorate in Life Sciences

by percentage	or graduates earning a d	octorate in Life ociences	
THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)	
1 Philadelphia College of Pharmacy and Science	5.0%	California Institute of Technology	6.1%
2 California Institute of Technology	4.7%	Reed College	5.8%
3 Earlham College	4.1%	Harvey Mudd College	4.2%
4 Pomona College	4.1%	Swarthmore College	4.1%
5 University of Chicago	4.0%	Earlham College	3.7%
6 Swarthmore College	3.8%	Grinnell College	3.6%
7 Delaware Valley College	3.8%	University of Chicago	3.6%
8 Massachusetts College of Phar & Allied Hith	3.4%	Carleton College	3.5%
9 Haverford College	3.4%	College of the Atlantic	3.4%
0 SUNY College of Environmental Sci & Forest	3.2%	Massachusetts Institute of Technology	3.3%

Source for doctorates by institution: NSF Survey of Earned Doctorates
Source for baccalaureate degrees by institution: IPEDS Completions Survey
Assumption: Doctorates received correspond to baccalaureate degrees received 5 years earlier

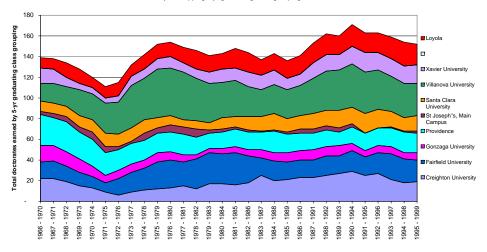
The Baccalaureate Origins of Doctoral Recipients Peer Comparison Tool © Chris Winters, Williams College

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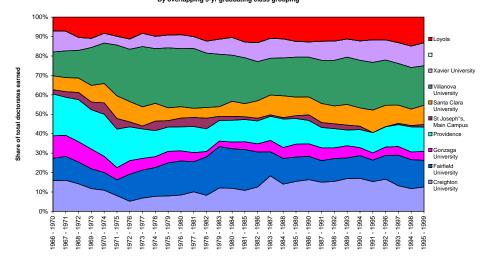
Doctoral field = Life Sciences

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in Life Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in Life Sciences (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in Life Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	22	15	9	9	12	15	17	16	25	21	23	27	25	21	19
Fairfield University	17	13	9	19	26	23	30	31	17	17	17	17	18	25	21
Gonzaga University	15	13	7	8	9	7	4	6	8	9	10	10	6	7	7
Providence	27	26	22	20	19	20	15	17	17	18	16	13	17	18	19
St Joseph"s, Main Campus	4	5	6	2	5	7	3	2	1	2	4	4	-	1	2
Santa Clara University	10	11	13	13	10	7	7	10	14	13	15	17	19	15	15
Villanova University	19	25	29	41	47	46	38	35	26	28	34	39	40	34	31
Xavier University	14	6	5	9	10	9	11	12	14	11	15	15	19	17	18
Loyola	10	14	11	11	14	15	16	19	15	17	19	18	19	21	20
TOTAL	138	128	111	132	152	149	141	148	137	136	153	160	163	159	152

Top Ten Schools THEN & NOW

by number of graduates earning a doctorate in Life Sciences

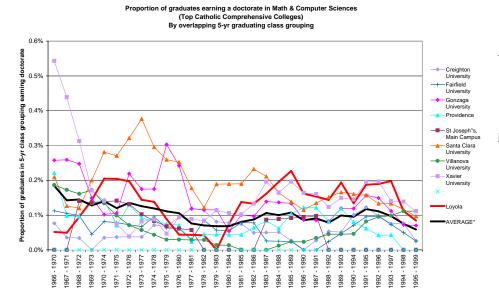
	THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)	
•	University of California-Berkeley	365	University of California-Berkeley	497
2	2 University of Illinois at Urbana-Champaign	277	University of California-Davis	380
:	3 University of Wisconsin-Madison	247	University of Illinois at Urbana-Champaign	359
4	4 Michigan State University	233	Pennsylvania State U, Main Campus	330
,	5 Pennsylvania State U, Main Campus	229	University of Wisconsin-Madison	319
(6 Ohio State University, Main Campus	226	University of California-San Diego	314
7	7 University of California-Davis	212	University of Michigan at Ann Arbor	314
8	3 University of Minnesota - Twin Cities	210	University of California-Los Angeles	297
9	Purdue University, Main Campus	188	Texas A&M University Main Campus	292
10	University of Michigan at Ann Arbor	188	Harvard University	273

Individual schools' shares of total doctorates earned in Life Sciences (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 -	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	16%	12%	8%	7%	8%	10%	12%	11%	18%	15%	15%	17%	15%	13%	13%
Fairfield University	12%	10%	8%	14%	17%	15%	21%	21%	12%	13%	11%	11%	11%	16%	14%
Gonzaga University	11%	10%	6%	6%	6%	5%	3%	4%	6%	7%	7%	6%	4%	4%	5%
Providence	20%	20%	20%	15%	13%	13%	11%	11%	12%	13%	10%	8%	10%	11%	13%
St Joseph"s, Main Campus	3%	4%	5%	2%	3%	5%	2%	1%	1%	1%	3%	3%	0%	1%	1%
Santa Clara University	7%	9%	12%	10%	7%	5%	5%	7%	10%	10%	10%	11%	12%	9%	10%
Villanova University	14%	20%	26%	31%	31%	31%	27%	24%	19%	21%	22%	24%	25%	21%	20%
Xavier University	10%	5%	5%	7%	7%	6%	8%	8%	10%	8%	10%	9%	12%	11%	12%
Loyola	7%	11%	10%	8%	9%	10%	11%	13%	11%	13%	12%	11%	12%	13%	13%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Doctoral field = Math & Computer Sciences

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in Math & Computer Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%
Fairfield University	0.1%	0.0%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%
Gonzaga University	0.3%	0.1%	0.1%	0.2%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.1%
Providence	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
St Joseph"s, Main Campus	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%
Santa Clara University	0.1%	0.2%	0.3%	0.4%	0.3%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%	0.2%	0.2%	0.1%	0.1%
Villanova University	0.2%	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%
Xavier University	0.4%	0.2%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.2%	0.1%	0.1%
Loyola	0.0%	0.1%	0.2%	0.1%	0.1%	0.0%	0.0%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%
AVERAGE*	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of g	raduates earning a	doctorate in Math & Computer Sciences	
THEN (cohort = 1967 - 197	·1)	NOW (cohort = 1995 - 199	9)
1 Harvey Mudd College	5.4%	California Institute of Technology	4.1%
2 California Institute of Technology	5.1%	Massachusetts Institute of Technology	2.2%
3 Massachusetts Institute of Technology	3.6%	Harvey Mudd College	2.0%
4 Reed College	2.5%	Harvard University	1.2%
5 University of Chicago	2.4%	Carnegie Mellon University	1.1%
6 Rice University	1.9%	Rice University	1.1%
7 Lyon College	1.4%	Princeton University	1.1%
8 Swarthmore College	1.3%	University of Chicago	1.0%
9 Harvard University	1.3%	Reed College	0.9%
10 Princeton University	1.3%	Williams College	0.8%

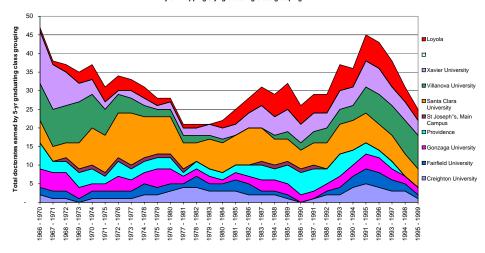
Source for doctorates by institution: NSF Survey of Earned Doctorates
Source for baccalaureate degrees by institution: IPEDS Completions Survey
Assumption: Doctorates received correspond to baccalaureate degrees received 5 years earlier

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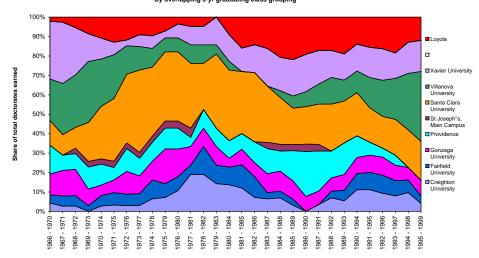
Doctoral field = Math & Computer Sciences

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in Math & Computer Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in Math & Computer Sciences (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in Math & Computer Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	1	-	1	1	2	4	3	3	2	1	1	2	5	3	1
Fairfield University	2	1	2	2	2	1	2	3	1	1	-	2	4	3	1
Gonzaga University	5	3	2	3	5	2	2	2	3	3	2	3	4	3	2
Providence	3	4	2	3	3	1	2	2	4	5	6	6	3	2	-
St Joseph"s, Main Campus	-	1	1	1	1	1	-	-	1	1	1	-	-	-	-
Santa Clara University	4	7	10	14	10	7	8	8	9	6	6	8	8	7	5
Villanova University	10	11	7	4	2	2	1	-	-	2	3	4	7	8	9
Xavier University	12	5	2	2	1	2	3	3	6	6	5	5	7	5	4
Loyola	1	3	4	3	2	1	0	4	5	7	5	7	7	7	3
TOTAL	38	35	31	33	28	21	21	25	31	32	29	37	45	38	25

Top Ten Schools THEN & NOW

graduates earning a doctorate in Math & Computer Sciences

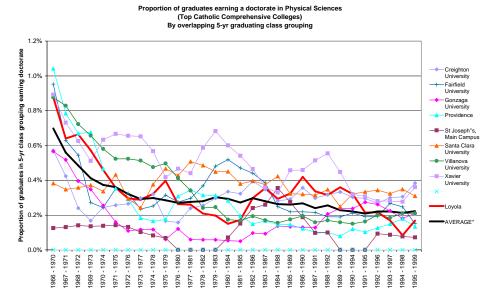
by number of graduates earning a doctorate in Matri & Computer Sciences										
THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)								
1 Massachusetts Institute of Technology	155	Massachusetts Institute of Technology	131							
2 University of California-Berkeley	101	University of California-Berkeley	116							
3 Harvard University	97	Harvard University	109							
4 CUNY City College	62	Princeton University	6							
5 University of Texas at Austin	60	Carnegie Mellon University	5							
6 CUNY Brooklyn College	59	Brigham Young University, Main Campus	4							
7 University of Chicago	57	University of Michigan at Ann Arbor	4							
8 Columbia University in the City of New York	54	Stanford University	4							
9 University of Michigan at Ann Arbor	54	University of Texas at Austin	4							
University of California-Los Angeles	52	California Institute of Technology	4							

Individual schools' shares of total doctorates earned in Math & Computer Sciences (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 -	1991 -	1993 - 1997	1995 -
Creighton University	3%	0%	3%	3%	7%	19%	14%	12%	6%	3%	3%	5%	11%	8%	4%
Fairfield University	5%	3%	6%	6%	7%	5%	10%	12%	3%	3%	0%	5%	9%	8%	4%
Gonzaga University	13%	9%	6%	9%	18%	10%	10%	8%	10%	9%	7%	8%	9%	8%	8%
Providence	8%	11%	6%	9%	11%	5%	10%	8%	13%	16%	21%	16%	7%	5%	0%
St Joseph"s, Main Campus	0%	3%	3%	3%	4%	5%	0%	0%	3%	3%	3%	0%	0%	0%	0%
Santa Clara University	11%	20%	32%	42%	36%	33%	38%	32%	29%	19%	21%	22%	18%	18%	20%
Villanova University	26%	31%	23%	12%	7%	10%	5%	0%	0%	6%	10%	11%	16%	21%	36%
Xavier University	32%	14%	6%	6%	4%	10%	14%	12%	19%	19%	17%	14%	16%	13%	16%
Loyola	3%	9%	13%	9%	7%	5%	0%	16%	16%	22%	17%	19%	16%	18%	12%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Doctoral field = Physical Sciences

Comparison group = Top Catholic Comprehensive Colleges



Proportion of graduates earning a doctorate in Physical Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	0.4%	0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%
Fairfield University	0.6%	0.3%	0.4%	0.2%	0.3%	0.3%	0.5%	0.5%	0.4%	0.2%	0.2%	0.2%	0.2%	0.3%	0.2%
Gonzaga University	0.5%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.2%	0.2%
Providence	0.8%	0.7%	0.4%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
St Joseph"s, Main Campus	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.2%	0.3%	0.3%	0.1%	0.0%	0.0%	0.1%	0.1%
Santa Clara University	0.3%	0.4%	0.4%	0.2%	0.5%	0.5%	0.4%	0.4%	0.4%	0.3%	0.3%	0.2%	0.3%	0.3%	0.3%
Villanova University	0.8%	0.7%	0.5%	0.5%	0.5%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Xavier University	0.7%	0.5%	0.7%	0.7%	0.4%	0.4%	0.7%	0.5%	0.4%	0.5%	0.5%	0.4%	0.3%	0.3%	0.4%
Loyola	0.6%	0.6%	0.4%	0.3%	0.4%	0.3%	0.2%	0.2%	0.4%	0.3%	0.3%	0.4%	0.2%	0.2%	0.2%
AVERAGE*	0.6%	0.4%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%

^{*}simple average of 9 schools above, unweighted

Top Ten Schools THEN & NOW

by percentage of	f graduates earnir	ng a doctorate in Physical Sciences							
THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)							
1 California Institute of Technology	17.4%	California Institute of Technology	9.9%						
2 Harvey Mudd College	15.0%	Harvey Mudd College	9.4%						
3 Massachusetts Institute of Technology	7.7%	Massachusetts Institute of Technology	3.2%						
4 Rice University	4.8%	Reed College	2.8%						
5 New Mexico Institute of Mining and Technolo	4.3%	Rice University	2.1%						
6 Polytechnic University	3.7%	New Mexico Institute of Mining and Technolo	1.9%						
7 Rensselaer Polytechnic Institute	3.6%	Carleton College	1.8%						
8 Benedictine University	3.5%	Grinnell College	1.8%						
9 University of Chicago	3.1%	University of Chicago	1.6%						
Hayorford College	2 00/.	Prop Mour College	1 60/						

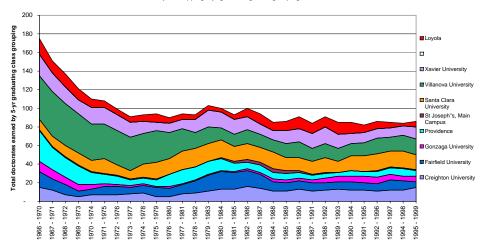
Source for doctorates by institution: NSF Survey of Earned Doctorates
Source for baccalaureate degrees by institution: IPEDS Completions Survey
Assumption: Doctorates received correspond to baccalaureate degrees received 5 years earlier

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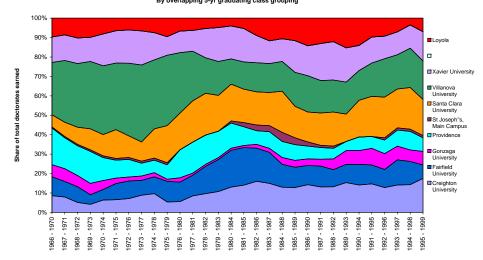
Doctoral field = Physical Sciences

Comparison group = Top Catholic Comprehensive Colleges

Total doctorates earned in Physical Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Individual schools' shares of total doctorates earned in Physical Sciences (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping



Total doctorates earned in Physical Sciences (Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 - 1985	1983 - 1987	1985 - 1989	1987 - 1991	1989 - 1993	1991 - 1995	1993 - 1997	1995 - 1999
Creighton University	12	5	7	8	5	8	11	13	14	11	11	13	12	12	15
Fairfield University	12	6	9	7	10	10	17	18	15	9	9	8	8	11	6
Gonzaga University	10	7	3	2	1	1	1	1	2	3	3	6	7	6	6
Providence	24	20	10	6	7	15	14	9	8	7	5	4	5	7	6
St Joseph"s, Main Campus	1	1	1	1	1	-	-	2	3	3	1	-	-	1	1
Santa Clara University	11	13	16	9	18	20	19	16	16	14	14	12	17	17	16
Villanova University	48	42	37	36	34	24	18	13	14	15	14	14	14	15	17
Xavier University	20	15	18	16	9	10	18	16	11	14	16	15	11	10	13
Loyola	13	12	7	6	9	6	5	5	11	10	11	13	8	6	6
TOTAL	151	121	108	91	94	94	103	93	94	86	84	85	82	85	86

Top Ten Schools THEN & NOW

nher of graduates earning a doctorate in Physical Science

	by number of graduates earning a doctorate in Physical Sciences												
	THEN (cohort = 1967 - 1971)		NOW (cohort = 1995 - 1999)										
1	Massachusetts Institute of Technology	333	Massachusetts Institute of Technology	191									
2	University of California-Berkeley	264	University of California-Berkeley	156									
3	University of Illinois at Urbana-Champaign	181	Harvard University	133									
4	University of Michigan at Ann Arbor	162	University of Illinois at Urbana-Champaign	112									
5	CUNY City College	159	California Institute of Technology	104									
6	University of California-Los Angeles	151	College of William and Mary	96									
7	Harvard University	148	University of Michigan at Ann Arbor	93									
8	Rensselaer Polytechnic Institute	139	University of California-San Diego	82									
9	California Institute of Technology	134	Pennsylvania State U, Main Campus	77									
10	University of Wisconsin-Madison	125	University of Texas at Austin	77									

Individual schools' shares of total doctorates earned in Physical Sciences (among Top Catholic Comprehensive Colleges) By overlapping 5-yr graduating class grouping

	1967 - 1971	1969 - 1973	1971 - 1975	1973 - 1977	1975 - 1979	1977 - 1981	1979 - 1983	1981 -	1983 - 1987	1985 -	1987 - 1991	1989 -	1991 -	1993 - 1997	1995 -
Creighton University	8%	4%	6%	9%	5%	9%	11%	14%	15%	13%	13%	15%	15%	14%	17%
Fairfield University	8%	5%	8%	8%	11%	11%	17%	19%	16%	10%	11%	9%	10%	13%	7%
Gonzaga University	7%	6%	3%	2%	1%	1%	1%	1%	2%	3%	4%	7%	9%	7%	7%
Providence	16%	17%	9%	7%	7%	16%	14%	10%	9%	8%	6%	5%	6%	8%	7%
St Joseph"s, Main Campus	1%	1%	1%	1%	1%	0%	0%	2%	3%	3%	1%	0%	0%	1%	1%
Santa Clara University	7%	11%	15%	10%	19%	21%	18%	17%	17%	16%	17%	14%	21%	20%	19%
Villanova University	32%	35%	34%	40%	36%	26%	17%	14%	15%	17%	17%	16%	17%	18%	20%
Xavier University	13%	12%	17%	18%	10%	11%	17%	17%	12%	16%	19%	18%	13%	12%	15%
Loyola	9%	10%	6%	7%	10%	6%	5%	5%	12%	12%	13%	15%	10%	7%	7%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%