

Doctoral Student Persistence, Completion and Time to Degree

Cohorts Entering 2006-07 through 2010-11										Degrees Awarded	
School/College and Program	Entering Students in Cohorts	% Withdrawn < 5 years	Cumulative Completion Rates			Advanced to Candidacy				2016-17 through 2018-19	
			≤ 6 years	≤ 8 years	Total	% Advanced to Candidacy	Median Time to Candidacy	% Withdrawn <3 years after Candidacy	Total % Completing after Candidacy	Doctoral Degrees Awarded	Median Time to Degree
Humanities and Fine Arts	273	27.1%	13.9%	34.8%	50.9%	70.7%	3.6	5.7%	72.0%	117	7.7
Afro-American Studies	21	23.8%	23.8%	47.6%	57.1%	81.0%	3.0	5.9%	70.6%	16	5.7
Comparative Literature	25	20.0%	0.0%	28.0%	56.0%	76.0%	3.9	0.0%	73.7%	10	8.8
English	86	27.9%	16.3%	34.9%	50.0%	66.3%	4.2	1.8%	75.4%	28	8.0
German and Scandinavian Studies	9	33.3%	0.0%	22.2%	44.4%	44.4%	4.3	0.0%	100.0%	5	11.7
Hispanic Literatures and Linguistics	27	29.6%	3.7%	33.3%	48.1%	66.7%	3.7	11.1%	72.2%	13	6.3
History (UMass/Five College)	29	27.6%	6.9%	24.1%	51.7%	75.9%	3.5	9.1%	68.2%	13	8.0
Linguistics	31	35.5%	35.5%	54.8%	58.1%	77.4%	3.3	16.7%	75.0%	13	6.0
Music	12	25.0%	0.0%	8.3%	25.0%	58.3%	3.5	0.0%	42.9%	5	8.0
Philosophy	33	21.2%	15.2%	36.4%	51.5%	75.8%	3.7	4.0%	68.0%	14	7.8
Information and Computer Sciences	147	34.7%	36.1%	55.8%	64.6%	71.4%	2.7	9.5%	90.5%	50	6.0
Natural Sciences	740	26.4%	47.6%	65.5%	70.3%	77.0%	2.4	5.4%	91.2%	336	5.8
Animal Biotechnology and Biomedical Sciences	23	30.4%	52.2%	60.9%	69.6%	69.6%	3.6	0.0%	100.0%	5	6.3
Astronomy	19	26.3%	21.1%	42.1%	68.4%	78.9%	2.5	6.7%	86.7%	9	8.0
Chemistry	130	21.5%	57.7%	75.4%	75.4%	78.5%	2.3	2.9%	96.1%	56	6.3
Entomology	3	0.0%	66.7%	100.0%	100.0%	100.0%	2.6	0.0%	100.0%	0	-
Environmental Conservation*	32	34.4%	18.8%	37.5%	56.3%	59.4%	2.7	0.0%	94.7%	18	5.7
Food Science	33	18.2%	66.7%	78.8%	78.8%	81.8%	2.5	3.7%	96.3%	27	4.0
Geosciences	32	37.5%	43.8%	56.3%	56.3%	62.5%	2.0	0.0%	90.0%	7	5.3
Mathematics	50	38.0%	42.0%	60.0%	60.0%	64.0%	2.0	3.1%	93.8%	21	6.0
Microbiology	27	29.6%	40.7%	59.3%	66.7%	70.4%	2.2	0.0%	94.7%	10	5.7
Molecular and Cellular Biology	66	30.3%	39.4%	62.1%	66.7%	72.7%	1.7	2.1%	91.7%	27	6.7
Neuroscience and Behavior	24	37.5%	25.0%	54.2%	58.3%	75.0%	2.8	16.7%	77.8%	13	5.7
Organismic and Evolutionary Biology	28	25.0%	35.7%	64.3%	67.9%	82.1%	1.7	13.0%	82.6%	15	5.7
Physics	66	27.3%	19.7%	51.5%	66.7%	92.4%	1.4	19.7%	72.1%	32	7.0
Plant Biology	16	43.8%	37.5%	50.0%	56.3%	68.8%	2.1	18.2%	81.8%	9	6.0
Plant and Soil Sciences	21	14.3%	57.1%	66.7%	76.2%	81.0%	2.9	0.0%	94.1%	8	6.2
Polymer Science and Engineering	110	15.5%	75.5%	84.5%	84.5%	86.4%	4.6	2.1%	97.9%	52	5.3
Psychology	60	30.0%	48.3%	65.0%	68.3%	73.3%	2.8	4.5%	93.2%	27	6.0
Social and Behavioral Sciences	252	22.6%	20.6%	38.1%	54.4%	71.4%	3.1	1.7%	76.1%	100	7.0
Anthropology	44	34.1%	2.3%	6.8%	27.3%	43.2%	6.1	0.0%	63.2%	14	9.2
Communication	42	7.1%	23.8%	52.4%	71.4%	92.9%	2.8	0.0%	76.9%	17	7.0
Economics	55	3.6%	40.0%	65.5%	78.2%	94.5%	2.4	1.9%	82.7%	22	6.7
Political Science	50	48.0%	8.0%	24.0%	36.0%	48.0%	3.2	0.0%	75.0%	14	6.5
Regional Planning	11	9.1%	63.6%	81.8%	90.9%	90.9%	3.3	0.0%	100.0%	5	6.0
Resource Economics	8	37.5%	62.5%	62.5%	62.5%	75.0%	1.8	16.7%	83.3%	7	6.0
Sociology	42	21.4%	7.1%	21.4%	45.2%	71.4%	5.3	3.3%	63.3%	21	8.7
Education	279	26.9%	26.9%	42.3%	52.7%	65.2%	3.5	2.7%	80.8%	114	6.7

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Engineering	257	26.5%	49.4%	65.0%	68.1%	73.5%	3.5	3.7%	92.6%	122	5.3
Chemical Engineering	67	19.4%	73.1%	79.1%	79.1%	80.6%	3.8	1.9%	98.1%	24	5.3
Civil Engineering	35	17.1%	62.9%	74.3%	74.3%	91.4%	2.2	12.5%	81.3%	38	4.8
Electrical and Computer Engineering	84	17.9%	39.3%	65.5%	72.6%	77.4%	4.0	0.0%	93.8%	34	6.7
Mechanical and Industrial Engineering	71	47.9%	32.4%	46.5%	49.3%	53.5%	3.2	5.3%	92.1%	26	5.0
Isenberg School of Management	70	22.9%	58.6%	68.6%	71.4%	75.7%	2.7	0.0%	94.3%	43	4.7
Nursing	39	35.9%	17.9%	33.3%	56.4%	64.1%	3.3	8.0%	88.0%	25	7.0
Public Health and Health Sciences	94	30.9%	30.9%	46.8%	56.4%	62.8%	3.5	1.7%	89.8%	41	6.7
Biostatistics	9	44.4%	33.3%	55.6%	55.6%	55.6%	1.7	0.0%	100.0%	2	6.7
Communication Disorders	12	25.0%	41.7%	50.0%	50.0%	58.3%	2.6	0.0%	85.7%	1	13.3
Community Health Education	13	46.2%	7.7%	23.1%	30.8%	38.5%	4.3	0.0%	80.0%	3	8.0
Environmental Health Sciences	1	0.0%	100.0%	100.0%	100.0%	100.0%	1.1	0.0%	100.0%	1	6.7
Epidemiology	16	31.3%	37.5%	50.0%	50.0%	56.3%	3.7	0.0%	88.9%	5	6.7
Health Policy Management	5	20.0%	0.0%	20.0%	60.0%	60.0%	5.5	0.0%	100.0%	4	8.2
Kinesiology	30	30.0%	33.3%	56.7%	66.7%	73.3%	3.1	4.5%	90.9%	17	5.7
Public Health Nutrition	8	12.5%	37.5%	37.5%	75.0%	87.5%	4.9	0.0%	85.7%	8	6.7
Campus Total	2,151	26.9%	36.0%	53.4%	62.2%	72.3%	3.0	4.5%	86.0%	948	6.0

Notes

Based on currently active doctoral programs with at least one student in the entering cohorts. (*Environmental Conservation includes students in Forest Resources and Wildlife and Fisheries Conservation.)

All statistics (except the median time to degree) are based on students entering in cohorts from 2006-07 through 2010-11.

% Withdrawn < 5 years: Percent of students who left without a degree or left with a Master's degree before completing 5 years.

Median Time to Degree: Median time to degree for students obtaining their doctoral degree from 2016-17 through 2018-19, based on elapsed time in terms of years. For example, students who start in September and complete their degree in May of their sixth year are displayed as 5.7 years (i.e. 5.7 years = 6 academic years).

% Withdrawn <3 years after Candidacy: Percent of students who left without a degree or left with a Master's degree before completing 3 years after advancing to candidacy.

Total % Completing after Candidacy: Percent of students who complete their degree after advancing to candidacy.