

## Doctoral Student Persistence, Completion and Time to Degree

School/College and Program	Cohorts Entering 2007-08 through 2011-12									Degrees Awarded		
	Entering Students in Cohorts	% Withdrawn < 5 years	Cumulative Completion Rates			Advanced to Candidacy				2017-18 through 2019-20	Doctoral Degrees Awarded	Median Time to Degree
			≤ 6 years	≤ 8 years	Total	% Advanced to Candidacy	Median Time to Candidacy	% Withdrawn <3 years after Candidacy	Total % Completing after Candidacy			
<b>Humanities and Fine Arts</b>	<b>256</b>	<b>24.6%</b>	<b>15.6%</b>	<b>36.3%</b>	<b>53.1%</b>	<b>73.8%</b>	<b>3.6</b>	<b>5.8%</b>	<b>72.0%</b>	<b>108</b>	<b>7.7</b>	
Afro-American Studies	25	20.0%	28.0%	48.0%	56.0%	80.0%	3.0	0.0%	70.0%	11	5.0	
Comparative Literature	24	20.8%	4.2%	20.8%	58.3%	75.0%	3.6	0.0%	77.8%	12	8.8	
English	74	24.3%	17.6%	35.1%	51.4%	67.6%	4.3	2.0%	76.0%	26	8.0	
German and Scandinavian Studies	10	30.0%	0.0%	20.0%	50.0%	60.0%	4.5	0.0%	83.3%	2	14.5	
Hispanic Literatures and Linguistics	27	25.9%	7.4%	37.0%	55.6%	81.5%	3.6	9.1%	68.2%	11	6.3	
History (UMass/Five College)	25	28.0%	12.0%	32.0%	52.0%	84.0%	3.4	19.0%	61.9%	11	8.0	
Linguistics	28	32.1%	35.7%	57.1%	60.7%	75.0%	3.4	9.5%	81.0%	15	6.0	
Music	12	25.0%	0.0%	16.7%	33.3%	58.3%	4.6	0.0%	57.1%	5	8.0	
Philosophy	31	19.4%	12.9%	38.7%	51.6%	77.4%	3.7	8.3%	66.7%	15	7.7	
<b>Information and Computer Sciences</b>	<b>153</b>	<b>34.0%</b>	<b>35.3%</b>	<b>56.2%</b>	<b>64.1%</b>	<b>71.2%</b>	<b>2.7</b>	<b>8.3%</b>	<b>89.9%</b>	<b>62</b>	<b>6.3</b>	
<b>Natural Sciences</b>	<b>765</b>	<b>25.1%</b>	<b>48.8%</b>	<b>66.3%</b>	<b>70.7%</b>	<b>77.8%</b>	<b>2.4</b>	<b>4.9%</b>	<b>90.9%</b>	<b>353</b>	<b>6.0</b>	
Animal Biotechnology and Biomedical Sciences	21	28.6%	47.6%	61.9%	71.4%	71.4%	3.4	0.0%	100.0%	6	6.5	
Astronomy	23	26.1%	21.7%	43.5%	65.2%	78.3%	2.5	5.6%	83.3%	10	7.0	
Chemistry	139	22.3%	54.7%	75.5%	76.3%	78.4%	2.3	2.8%	97.2%	60	6.3	
Entomology	2	0.0%	100.0%	100.0%	100.0%	100.0%	1.6	0.0%	100.0%	0	-	
Environmental Conservation*	41	29.3%	26.8%	36.6%	48.8%	61.0%	2.4	0.0%	80.0%	18	5.2	
Food Science	41	12.2%	75.6%	82.9%	82.9%	87.8%	2.4	2.8%	94.4%	28	4.3	
Geosciences	33	39.4%	39.4%	54.5%	54.5%	60.6%	2.8	0.0%	90.0%	13	5.3	
Mathematics	52	32.7%	44.2%	63.5%	65.4%	69.2%	2.1	2.8%	94.4%	22	6.0	
Microbiology	30	33.3%	46.7%	53.3%	63.3%	66.7%	2.1	0.0%	95.0%	9	5.7	
Molecular and Cellular Biology	67	26.9%	37.3%	65.7%	71.6%	76.1%	1.7	2.0%	94.1%	37	6.7	
Neuroscience and Behavior	24	33.3%	33.3%	58.3%	62.5%	83.3%	2.7	20.0%	75.0%	11	5.7	
Organismic and Evolutionary Biology	23	21.7%	34.8%	69.6%	73.9%	87.0%	1.7	10.0%	85.0%	19	5.7	
Physics	66	27.3%	22.7%	51.5%	63.6%	89.4%	1.4	18.6%	71.2%	27	6.7	
Plant Biology	18	38.9%	33.3%	55.6%	61.1%	66.7%	2.1	8.3%	91.7%	12	6.3	
Plant and Soil Sciences	22	18.2%	59.1%	63.6%	72.7%	77.3%	3.0	0.0%	94.1%	5	11.0	
Polymer Science and Engineering	105	14.3%	77.1%	85.7%	85.7%	87.6%	4.7	2.2%	97.8%	53	5.3	
Psychology	58	29.3%	55.2%	67.2%	67.2%	74.1%	2.9	4.7%	90.7%	23	6.0	
<b>Social and Behavioral Sciences</b>	<b>260</b>	<b>19.2%</b>	<b>20.0%</b>	<b>36.9%</b>	<b>53.5%</b>	<b>75.8%</b>	<b>3.3</b>	<b>3.6%</b>	<b>70.6%</b>	<b>103</b>	<b>7.0</b>	
Anthropology	48	33.3%	4.2%	12.5%	31.3%	50.0%	5.4	0.0%	62.5%	11	8.7	
Communication	41	0.0%	22.0%	53.7%	73.2%	100.0%	2.7	0.0%	73.2%	23	7.0	
Economics	59	5.1%	37.3%	57.6%	76.3%	91.5%	2.4	1.9%	83.3%	21	7.0	
Political Science	52	38.5%	9.6%	25.0%	32.7%	61.5%	3.3	12.5%	53.1%	11	9.0	
Regional Planning	8	12.5%	62.5%	75.0%	87.5%	87.5%	3.6	0.0%	100.0%	6	5.8	
Resource Economics	8	37.5%	50.0%	62.5%	62.5%	75.0%	2.6	16.7%	83.3%	8	6.0	
Sociology	44	15.9%	11.4%	22.7%	45.5%	75.0%	5.0	3.0%	60.6%	23	9.0	
<b>Education</b>	<b>238</b>	<b>25.2%</b>	<b>26.1%</b>	<b>44.1%</b>	<b>55.5%</b>	<b>68.9%</b>	<b>3.4</b>	<b>3.7%</b>	<b>80.5%</b>	<b>104</b>	<b>6.7</b>	

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	Entering Students in Cohorts	% Withdrawn < 5 years	Cumulative Completion Rates			Advanced to Candidacy				2017-18 through 2019-20	Median Time to Degree
			≤ 6 years	≤ 8 years	Total	% Advanced to Candidacy	Median Time to Candidacy	% Withdrawn <3 years after Candidacy	Total % Completing after Candidacy		
<b>Engineering</b>	<b>260</b>	<b>25.0%</b>	<b>51.2%</b>	<b>65.8%</b>	<b>69.6%</b>	<b>75.0%</b>	<b>3.3</b>	<b>3.1%</b>	<b>92.8%</b>	<b>124</b>	<b>5.7</b>
Chemical Engineering	64	18.8%	75.0%	79.7%	79.7%	81.3%	4.0	1.9%	98.1%	26	5.7
Civil Engineering	45	17.8%	66.7%	77.8%	77.8%	91.1%	2.2	9.8%	85.4%	31	5.3
Electrical and Computer Engineering	82	15.9%	36.6%	64.6%	73.2%	80.5%	4.0	0.0%	90.9%	40	6.7
Mechanical and Industrial Engineering	69	46.4%	36.2%	46.4%	50.7%	52.2%	3.1	2.8%	97.2%	27	5.0
<b>Isenberg School of Management</b>	<b>68</b>	<b>20.6%</b>	<b>64.7%</b>	<b>73.5%</b>	<b>75.0%</b>	<b>77.9%</b>	<b>2.7</b>	<b>0.0%</b>	<b>96.2%</b>	<b>34</b>	<b>4.7</b>
<b>Nursing</b>	<b>35</b>	<b>22.9%</b>	<b>17.1%</b>	<b>37.1%</b>	<b>62.9%</b>	<b>77.1%</b>	<b>3.7</b>	<b>11.1%</b>	<b>81.5%</b>	<b>27</b>	<b>7.0</b>
<b>Public Health and Health Sciences</b>	<b>86</b>	<b>25.6%</b>	<b>29.1%</b>	<b>55.8%</b>	<b>65.1%</b>	<b>69.8%</b>	<b>3.3</b>	<b>1.7%</b>	<b>93.3%</b>	<b>40</b>	<b>6.0</b>
Biostatistics	8	50.0%	25.0%	50.0%	50.0%	50.0%	1.8	0.0%	100.0%	2	5.5
Communication Disorders	9	22.2%	44.4%	55.6%	66.7%	66.7%	2.5	0.0%	100.0%	1	4.7
Community Health Education	11	36.4%	0.0%	27.3%	45.5%	45.5%	6.3	0.0%	100.0%	3	8.0
Environmental Health Sciences	1	0.0%	0.0%	100.0%	100.0%	100.0%	5.4	0.0%	100.0%	1	6.7
Epidemiology	15	20.0%	46.7%	66.7%	66.7%	73.3%	3.0	0.0%	90.9%	4	6.2
Health Policy Management	6	16.7%	16.7%	50.0%	66.7%	66.7%	5.0	0.0%	100.0%	2	6.5
Kinesiology	24	33.3%	29.2%	58.3%	62.5%	70.8%	2.9	5.9%	88.2%	18	5.2
Public Health Nutrition	12	0.0%	33.3%	66.7%	91.7%	100.0%	3.4	0.0%	91.7%	9	6.7
<b>Campus Total</b>	<b>2,121</b>	<b>24.8%</b>	<b>37.2%</b>	<b>55.1%</b>	<b>63.9%</b>	<b>74.9%</b>	<b>3.0</b>	<b>4.5%</b>	<b>85.3%</b>	<b>955</b>	<b>6.0</b>

### 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 2007-08 through 2011-12.

% **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 2017-18 through 2019-20, 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.