

2019 Guarini School of Graduate and Advanced Studies Survey Overall Results

Dartmouth College
Office of Institutional Research
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Executive Summary

Methods

Nine hundred and forty-eight graduate students (including Ph.D. and Master's) from the Guarini School of Graduate and Advanced Studies and Thayer were invited to participate via email. The survey was administered electronically by the Office of Institutional Research. A pre-survey notice was sent to each student from Kerry Landers, Assistant Dean of Graduate Student Affairs. The survey invitation and four email reminders were sent from the Office of Institutional Research. The overall response rate was 50% (471/948). The response rate for Ph.D. students was 58% (355/612) and for Master's it was 35% (116/336). A gift certificate to the Pine restaurant for \$50.00 was provided as incentive.

There were no statistically significant differences between survey respondents and non-respondents due to race/ethnicity ($\chi^2 = 1.98$, $p > 0.05$), or student type ($\chi^2 = 1.52$, $p > 0.05$). Statistical significant differences were found between majors ($\chi^2 = 87.95$, $p < 0.0001$), with responses highest among students who majored in Ecology, Evolution, Ecosystems & Society (95%), and lowest among students who majored in Health Care Delivery Science (19%). See Appendix 1 for details.

Demographics

Respondents largely self-identified as White (53%), followed by International (29%) and Minority (16%). Fifty percent of the respondents were female and 50% were male. Respondents were largely continuing graduate students (72%) and 28% were first-year graduate students.

Overall Key Findings

Academic experience, resources, and services

- The majority of the respondents (77%) were satisfied or very satisfied with their graduate education.
- Fifty-eight percent of the respondents rated their academic experience at Dartmouth as very good or excellent and 39% rated their student life experience at Dartmouth as very good or excellent.
- Sixty percent or more of the respondents rated the following support and services provided by Dartmouth as very good or excellent: programs and resources of the teaching center or program (DCAL; 60%), laboratory, clinical, studio, or other physical facilities (63%), and Information technology resources (65%). Thirty-eight percent of the respondents rated the psychological counseling services as poor or fair.

Ratings of program climate

- Seventy percent or more of the respondents rated their department or program climate being friendly (81%), welcoming (75%), encouraging (74%), respectful (74%), and supportive (70%). However, less than half rated their department or program climate being diverse (34%), positive for non-Native English speakers (47%), positive for people of spiritual/religious backgrounds (47%), and positive for persons with disabilities (47%).

- Eighty-five percent of the respondents reported their own relationship and interactions with faculty are positive. Three quarters or more of the respondent also reported their peers valued their research/scholarship (81%), they had the resources they needed to succeed (77%), and financial support for students in their program was distributed fairly (75%).

Ratings of contact with advisors

- Fifty-nine percent of the respondents interacted with faculty on a weekly basis or more often; 18% interacted with faculty twice a month.
- Seventy percent of the respondents had the right amount of contact with their advisors, 17% mentioned they did not have enough contact or did not receive the guidance they needed.

Ratings of faculty, courses, and other aspects of academics

- Over seventy of the respondents agreed that their primary advisor discussed research with them on a regular basis (75%), gave them constructive feedback on their work (76%), and shared her/his considerable experience and/or training (76%).
- While major obstacles to academic success were limited, more than one in five reported the following: cost of housing (31%), self-confidence (25%), physical and/or mental health issues (24%), academic or social isolation (22%), and the current job market (21%).
- Slightly less than half (49%) of the respondents rated their development as a scholar as very good or excellent. Forty-four percent of the respondents rated their development as a teacher as poor or fair.
- Over sixty percent of the respondents rated course content depth and breadth outside their area as very good or excellent (63% ~ 66%). Course content depth and breadth within their area were both rated lower (51% ~ 56%).
- Eighty-six percent of the respondents agreed or strongly agreed that the conduct of qualifying exams was fair. Most of the respondents also agreed or strongly agreed that the qualifying exams were useful in consolidating their knowledge (84%) and the exam topics were relevant to their training (86%).

Ratings of research opportunities

- Early research opportunities (e.g., laboratory rotations, research assistantships, faculty-advised research projects or papers) were rated as somewhat effective or very effective by 76% of the respondents. More than two-thirds of the respondents also rated the following as somewhat effective or very effective: A departmental/program orientation to help you understand the process of completing your graduate degree (73%); a written set of expectations about academic requirements and expected progress in your program (69%); and organized exposure to faculty and their current research interests (68%).

Ratings of teaching assistantships

- More than half of the respondents (56%) had one or more teaching assistantships at Dartmouth recently, and 36% of those who had teaching assistantships noted that these teaching appointments increased their interest in teaching in the future.

Scholarly activities and productivity

- In the past year, 46% of the respondents attended and 39% presented a paper/poster at a professional conference. Thirty-four percent of the respondents submitted scholarly work for publication and 27% published scholarly work. Twenty-two percent of the respondents wrote or assisted in writing a grant proposal.

Future plans

- When entering their program, 54% of the respondents envisioned themselves working in academia and 33% in business/industry/self-employment after graduation. In contrast, at the time of the survey, 36% envisioned themselves working in academia and 45% in business/industry/self-employment after graduation. About 10% of the respondents currently plan on a career in the government/non-profit sector.
- Sixty-three percent of the respondents stated that their programs were preparing them adequately for their current career goals.

Looking back

- Eighty-three percent of the respondents indicated that they would probably or definitely choose to pursue a PhD or Master's if they could start all over again; 78% would choose the same field of study; and 60% would choose to come to Dartmouth.
- Sixty percent of the respondents would probably or definitely recommend Dartmouth to someone considering their field of study.

Differences in results due to Major

There are many differences between majors in respondent ratings (see Appendix 2). Significant between-group differences are highlighted in color.

Differences in results due to Race/Ethnicity/Citizenship

There are some differences in results due to race/ethnicity/citizenship (See Appendix 2). Significant between-group differences are highlighted in color.

Differences in results due to Student Type

There are many differences in results due to student type (continuing vs. new graduate students; see Appendix 2). Significant between-group differences are highlighted in color.

Respondent Characteristics

Major		
	N	Percent
Biochemistry & Cell Biology (BCB)	25	5%
Chemistry (CHEM)	24	5%
Comparative Literature (COLT)	4	1%
Computer Science (COSC)	41	9%
Earth Sciences (EARS)	17	4%
Ecology & Evolutionary Biology (EEB)	17	4%
Ecology, Evolution, Ecosystems & Society (EEES)	18	4%
Engineering Sciences (ENGS)	65	14%
Health Care Delivery Science (HCDS)	15	3%
Master of Arts in Liberal Studies (MALS)	55	12%
Math (MATH)	17	4%
Microbiology (MICR)	22	5%
Molecular & Cellular Biology (MCB)	10	2%
Molecular and Systems Biology (MSB)	16	3%
Music (MUS)	4	1%
Physics (PHYS)	26	6%
Program in Molecular Medicine (PEMM)	31	7%
Psychological & Brain Sciences (PBS)	26	6%
Quantitative Biomedical Sciences (QBS)	29	6%
The Dartmouth Institute (TDI)	9	2%
	471	100%

Gender		
	N	Percent
Female	235	50%
Male	236	50%
	471	100%

Guarini 2019 Survey Results

Race/Ethnicity/Citizenship		
	N	Percent
International	137	29%
Minority	74	16%
Unknown	10	2%
White	250	53%
	471	100%

Student Type		
	N	Percent
Continuing	341	72%
New	130	28%
	471	100%

Stage of graduate studies

Q1. Year in Program:		
	N	Percent
First year	123	26%
Second year	100	21%
Third year	85	18%
Fourth year	64	14%
Fifth year	48	10%
> 5 years	50	11%
	470	100%

Overall Satisfaction

Q2. Overall, how satisfied are you with your graduate education?						
Scale: 1 = Very dissatisfied, ... 5 = Very satisfied						
Overall Average	Very dissatisfied	Generally dissatisfied	Ambivalent	Generally satisfied	Very satisfied	N
3.85	2%	8%	12%	57%	20%	449

Q3. Please rate each of the following.							
Scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very good, 5 = Excellent							
	Overall Average	Poor	Fair	Good	Very Good	Excellent	N
Your academic experience at Dartmouth	3.58	4%	13%	26%	37%	21%	470
Your student life experience at Dartmouth	3.17	7%	20%	35%	27%	12%	468
Your overall experience at Dartmouth	3.50	2%	13%	33%	37%	15%	469

Resources and Services

Q4. Please rate the quality of the following support and services provided by Dartmouth.									
Scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very good, 5 = Excellent									
	Overall Average	Poor	Fair	Good	Very Good	Excellent	N	N Not Available or Not used	N Total
Financial support provided by Dartmouth	3.69	5%	12%	25%	24%	33%	418	53	471
Programs and resources of the writing center or program (RWIT)	3.70	4%	14%	25%	25%	33%	140	331	471
Programs and resources of the teaching center or program (DCAL)	3.82	2%	6%	31%	29%	31%	229	242	471
Health insurance coverage provided by Dartmouth	3.17	12%	18%	28%	24%	18%	394	77	471
Information technology resources	3.84	0%	9%	25%	35%	30%	414	57	471
Laboratory, clinical, studio, or other physical facilities	3.79	3%	8%	27%	34%	29%	396	74	470
Your personal workspace (e.g., desk or office)	3.57	6%	10%	29%	29%	25%	417	54	471
Guarini School professional development offerings	3.17	8%	20%	32%	28%	13%	316	154	470
Psychological counseling services	2.93	20%	18%	28%	17%	17%	230	241	471
Campus health care services	3.61	5%	13%	25%	31%	26%	376	94	470
Programs and services for international students	3.18	14%	16%	30%	21%	20%	147	323	470

Program Climate

Q5. Using a scale of 1–5, please rate the department or program climate on the following dimensions							
1 = Negative ... 5 = Positive (Value was recoded for items with an *)							
	Overall Average	1	2	3	4	5	N
friendly: hostile*	4.17	1%	5%	13%	38%	43%	466
collegial: contentious*	3.90	3%	7%	21%	36%	33%	466
non-sexist: sexist*	3.61	5%	15%	24%	27%	29%	466
collaborative: individualistic*	3.62	6%	14%	19%	32%	29%	469
cooperative: competitive*	3.86	3%	7%	24%	35%	32%	469
not supportive: supportive	3.81	6%	7%	18%	41%	29%	467
rigid: flexible	3.51	7%	10%	26%	38%	19%	467
threatening: protective	3.66	3%	6%	36%	33%	22%	467
encouraging: discouraging*	3.91	3%	7%	16%	43%	31%	469
inclusive: exclusionary*	3.73	4%	11%	22%	34%	29%	467
positive for persons with disabilities: negative for persons with disabilities*	3.57	3%	6%	44%	24%	23%	457
positive for people who identify as lesbian, gay, bisexual, queer or transgender: negative for people who identify as lesbian, gay, bisexual, queer or transgender*	3.87	2%	4%	32%	30%	32%	457
positive for people of spiritual/religious backgrounds: negative for people of spiritual/religious backgrounds*	3.61	2%	4%	48%	24%	23%	458
positive for People of Color: negative for People of Color*	3.56	5%	9%	33%	29%	23%	462
positive for non-native English speakers: negative for non-native English speakers*	3.51	2%	12%	40%	26%	21%	461
welcoming: not welcoming*	4.00	4%	7%	14%	35%	40%	468
homogeneous: diverse	2.90	16%	23%	27%	23%	11%	467
disrespectful: respectful	3.99	3%	6%	17%	38%	36%	468

Guarini 2019 Survey Results

Q6. Rate the extent to which you agree or disagree with the following statements.									
Scale: 1 = Strongly disagree, ... 5 = Strongly agree									
	Overall Average	Strongly disagree	Generally disagree	Neither agree nor disagree	Generally agree	Strongly agree	N	N NA or don't know	N Total
My peers value my research/scholarship	3.99	2%	5%	12%	52%	29%	431	22	453
I have to work harder than some of my peers to be perceived as a legitimate scholar	3.17	8%	23%	28%	26%	15%	439	18	457
My own relationships and interactions with faculty are positive	4.19	1%	5%	9%	44%	41%	457	1	458
I have the resources I need to succeed	3.93	4%	7%	11%	46%	31%	455	2	457
My program is responsive to student concerns	3.53	8%	14%	18%	37%	23%	436	22	458
Financial support for students in my program is distributed fairly	3.96	4%	5%	15%	40%	35%	371	86	457
My program's procedures are fair and equitable to all	3.7	5%	10%	18%	42%	25%	431	26	457
I am comfortable voicing my feelings and opinions in front of others in my program	3.66	7%	12%	13%	42%	26%	454	4	458

Obstacles to Academic Success

Q7. Rate the extent to which the following have been obstacles to your academic progress in the last year.							
1 = Not an obstacle, 2 = A minor obstacle, 3 = A major obstacle							
	Overall Average	Not an obstacle	A minor obstacle	A major obstacle	N	N Not applicable	N Total
Program structure or requirements	1.63	49%	39%	12%	438	9	447
Academic or social isolation	1.85	36%	42%	22%	436	13	449
Your self-confidence	1.92	33%	42%	25%	442	7	449
Time management difficulties	1.83	35%	47%	18%	444	4	448
Current job market	1.69	52%	27%	21%	340	107	447
Finding housing	1.66	53%	27%	19%	404	44	448
Transportation to Dartmouth	1.62	54%	30%	16%	420	28	448
Availability of faculty	1.47	62%	28%	10%	441	8	449
Relationship with advisor	1.45	67%	21%	12%	420	29	449
Competition among your peers	1.30	74%	22%	4%	429	19	448
Cost of housing	1.96	35%	34%	31%	421	27	448
Family obligations	1.56	57%	31%	12%	421	26	447
Insufficient financial support from Dartmouth	1.52	59%	30%	11%	410	38	448
Immigration laws and regulations	1.46	68%	19%	14%	274	174	448
Physical and/or mental health issues	1.87	36%	40%	24%	425	24	449
Other major obstacle (please describe)	2.06	40%	14%	46%	72	68	140

Mentoring and Advising

Q8a. During the last year, did you receive helpful advice or assistance on the following? If so, from whom - faculty, Graduate Studies staff, students, or others?				
	Faculty	Staff	Students/ Others	N/A- Didn't seek advice
Navigating the systems and culture of graduate education	39%	22%	59%	30%
Selecting courses	40%	10%	50%	36%
Preparing for qualifying exams	31%	4%	36%	58%
Developing/improving your teaching	30%	18%	21%	58%
Developing your dissertation topic	57%	7%	28%	39%

Q8a. During the last year, did you receive helpful advice or assistance on the following? If so, from whom - faculty, Graduate Studies staff, students, or others?				
	Faculty	Staff	Students/ Others	N/A- Didn't seek advice
Conducting your dissertation research	60%	13%	35%	35%
Writing and revising your dissertation	33%	6%	17%	64%
Consideration of academic career options	41%	11%	34%	48%
Consideration of non-academic or other professional career options	32%	17%	38%	48%

Q8b. During the last year, did you receive helpful advice or assistance on the following? If so, from whom - faculty, Graduate Studies staff, students, or others? (Excluding N/A)			
	Faculty	Staff	Students/ Others
Navigating the systems and culture of graduate education	56%	31%	84%
Selecting courses	62%	16%	78%
Preparing for qualifying exams	73%	11%	86%
Developing/improving your teaching	69%	43%	51%
Developing your dissertation topic	92%	11%	45%
Conducting your dissertation research	92%	20%	54%
Writing and revising your dissertation	92%	15%	46%
Consideration of academic career options	80%	21%	65%
Consideration of non-academic or other professional career options	62%	32%	72%

Q9. How many faculty members at Dartmouth do you consider to be your advisors or mentors (i.e, faculty who give you advice about your education, career development, or other matters of concern to you as a graduate student)?		
	N	Percent
0	24	5%
1	160	36%
2	138	31%
3	83	19%
4 or more	35	8%
	440	100%

Q10. How often do you typically have substantive contact with your primary advisor about your academic progress and research?		
	N	Percent
Less often than yearly	17	4%
Once a year	13	3%
Once a term	28	6%
2-3 times a term	22	5%
Monthly	25	6%
Twice a month	77	18%
Weekly or more often	257	59%
	439	100%

Q11. Is this frequency about right, not enough contact, or too much contact?		
	N	Percent
There is too much contact; I do not have enough independence	13	3%
Just about the right amount of contact	309	70%
There is not enough contact; I do not receive all the guidance I need	73	17%
I am not sure	44	10%
	439	100%

Q12. For each of the following statements, indicate the extent to which it describes your primary advisor.							
1 = Strongly disagree, ... 5 = Strongly agree							
	Overall Average	Strongly disagree	Generally disagree	Neither agree nor disagree	Generally agree	Strongly agree	N
Discusses my research with me on a regular basis	4.02	5%	6%	14%	32%	43%	429
Gives me constructive feedback on my work	3.98	6%	7%	11%	34%	42%	429
Clearly states expectations for my academic progress	3.56	9%	14%	18%	31%	28%	430
Has reasonable expectations for my academic progress	3.93	6%	5%	15%	38%	36%	431
Promotes my professional development	3.82	7%	4%	23%	31%	35%	430
Shares her/his considerable experience and/or training	4.04	5%	4%	14%	35%	41%	429

Q12. For each of the following statements, indicate the extent to which it describes your primary advisor.							
1 = Strongly disagree, ... 5 = Strongly agree							
	Overall Average	Strongly disagree	Generally disagree	Neither agree nor disagree	Generally agree	Strongly agree	N
Expects me to work so many hours that it is hard to have a personal life	2.25	35%	29%	20%	9%	8%	430
Has made me feel valued	3.74	7%	8%	18%	35%	31%	427
Sees me as a source of labor to advance his/her career	2.17	42%	23%	17%	9%	8%	430

Q13. Have you received assistance or support on each of the following? If so, how helpful was the assistance or support? (Based on those who have received assistance/support)								
1 = Not at all helpful, ... 4 = Very helpful								
	Overall Average	Not at all helpful	Not very helpful	Somewhat helpful	Very helpful	N	N Have not received assistance or support	N Total
Standards for academic or professional writing in my field	3.24	2%	9%	54%	36%	242	182	424
Avoiding plagiarism and other violations of the standards of academic integrity	3.19	2%	10%	56%	33%	248	175	423
Understanding the professional and research ethics in my field	3.11	3%	13%	56%	29%	299	123	422
Writing grant or fellowship proposals	3.11	5%	11%	50%	33%	236	187	423
Preparing articles for publication	3.13	7%	10%	46%	37%	224	198	422
Effective oral communication and presentations	3.25	3%	11%	45%	41%	294	130	424
Academic career planning	2.91	7%	18%	52%	23%	197	225	422
Non-academic career planning	2.66	17%	19%	44%	19%	180	242	422

Program Quality

Q14. Please rate your program in the following areas.							
Scale: 1 = Poor, 2 = Fair, 3 = Good, 4 = Very good, 5 = Excellent							
	Overall Average	Poor	Fair	Good	Very Good	Excellent	N
Quality of graduate curriculum	3.04	14%	18%	31%	26%	11%	420
Quality of graduate-level teaching by faculty	3.29	8%	16%	32%	29%	15%	420
Quality of academic advising and guidance	3.27	11%	13%	32%	26%	18%	419
The opportunity to collaborate across disciplines	3.24	11%	18%	27%	22%	22%	418
Developing me as a scholar	3.44	4%	17%	31%	29%	20%	418
Developing me as a teacher	2.71	17%	27%	32%	16%	8%	417
Developing me as a communicator	3.30	6%	19%	29%	30%	15%	418

Q15. Rate the quality of courses offered to you.									
Scale: 1 = Poor, 2 = Fair, 3 = Average, 4 = Good, 5 = Excellent									
	Overall Average	Poor	Fair	Average	Good	Excellent	N	N Not applicable	N Total
Depth of content in courses within your area of specialty	3.34	15%	13%	16%	34%	22%	407	13	420
Breadth of content in courses within your area of specialty	3.22	16%	14%	20%	33%	18%	409	11	420
Depth of content in courses outside your area of specialty	3.63	4%	12%	20%	42%	21%	386	33	419
Breadth of content in courses outside your area of specialty	3.65	6%	12%	17%	43%	23%	385	34	419
State-of-the-art course content	3.37	13%	10%	19%	40%	17%	383	35	418

Q16. If you completed a qualifying exam this past year, what was your experience? Check the circle that best represents your agreement with the statements.								
Scale: 1 = Strongly disagree, ... 4 = Strongly agree								
	Overall Average	Strongly disagree	Disagree	Agree	Strongly agree	N	N Not applicable	N Total
The conduct of exam was fair	3.26	7%	6%	40%	46%	141	260	401

Q16. If you completed a qualifying exam this past year, what was your experience? Check the circle that best represents your agreement with the statements.								
Scale: 1 = Strongly disagree, ... 4 = Strongly agree								
	Overall Average	Strongly disagree	Disagree	Agree	Strongly agree	N	N Not applicable	N Total
The exam was useful in consolidating my knowledge	3.19	7%	9%	41%	43%	140	261	401
The exam topics were relevant to my training	3.32	4%	10%	37%	49%	138	263	401

Early Advice and Support Provided by Departments or Programs

Q17a. Does your department or program provide pre-candidacy students with the following opportunities or resources?				
	No, not available	Available but I did not participate/receive	I participated	N
A departmental/program orientation to help you understand the process of completing your graduate degree	16%	5%	79%	407
A written set of expectations about academic requirements and expected progress in your program	7%	4%	89%	406
Organized exposure to faculty and their current research interests	19%	7%	74%	405
Early research opportunities (e.g., laboratory rotations, research assistantships, faculty-advised research projects or papers)	23%	10%	67%	404
A written assessment of your academic progress, other than course grades and qualifying exams, at least annually	48%	6%	45%	406
A meeting with your Director of Graduate Studies and/or other faculty to assess your academic progress, at least annually	41%	11%	48%	405

Q17b. If participated, how effective were the following opportunities or resources provided by your department or program to pre-candidacy students? If participated, how effective was it?							
Scale: 1 = Very ineffective, ... 5 = Very effective							
	Overall Average	Very ineffective	Somewhat ineffective	Neither effective nor ineffective	Somewhat effective	Very effective	N
A departmental/program orientation to help you understand the process of completing your graduate degree	3.77	6%	10%	11%	49%	24%	320
A written set of expectations about academic requirements and expected progress in your program	3.71	9%	11%	12%	38%	31%	360
Organized exposure to faculty and their current research interests	3.77	7%	8%	17%	37%	31%	300
Early research opportunities (e.g., laboratory rotations, research assistantships, faculty-advised research projects or papers)	4.04	7%	6%	12%	30%	46%	271
A written assessment of your academic progress, other than course grades and qualifying exams, at least annually	3.48	11%	8%	24%	38%	20%	184
A meeting with your Director of Graduate Studies and/or other faculty to assess your academic progress, at least annually	3.67	8%	7%	20%	41%	24%	196

Developing Your Teaching

Q18. Have you recently had one or more teaching assistantship appointments at Dartmouth?		
	N	Percent
No	180	44%
Yes	231	56%
	411	100%

Q19. Rate the extent to which you agree or disagree with the following statements about this most recent teaching appointment. (Excluding those who did not have teaching assistantships)							
1 = Strongly disagree, ... 5 = Strongly agree							
	Overall Average	Strongly disagree	Generally disagree	Neither agree nor disagree	Generally agree	Strongly agree	N
I understood the goals of the course	4.22	1%	2%	13%	40%	44%	290
I understood what the faculty expected of me	4.16	2%	3%	14%	40%	41%	287
This teaching appointment was related to my program of study	3.93	4%	7%	18%	36%	36%	285
I received helpful feedback about my teaching from the course instructor	3.29	12%	15%	25%	27%	21%	284

Q20. How has this teaching appointment affected your interest in teaching in the future?		
	N	Percent
Decreased my interest	37	16%
Made no difference	110	48%
Increased my interest	84	36%
	231	100%

Career Development

Q21. While a graduate student at Dartmouth, have you done any of the following?			
	In the past year	Since starting this program	Neither
Attended a professional conference	46%	37%	42%
Presented a paper or poster at a conference	39%	30%	52%
Submitted articles, book chapters, or technical reports that are under review	34%	25%	59%
Published or had accepted for publication articles, book chapters, or technical reports	27%	23%	62%
Wrote or assisted in writing a grant proposal	22%	23%	65%

Q22. When you entered your program, in which of the following did you envision yourself working upon completion of your degree?		
	N	Percent
Academia	219	54%
Business, industry, self-employment	136	33%
Government, non-profit	36	9%
Other, please describe:	17	4%
	408	100%

Q23. In which of the following do you now envision yourself working?		
	N	Percent
Academia	146	36%
Business, industry, self-employment	184	45%
Government, non-profit	42	10%
Other, please describe:	35	9%
	407	100%

Q24. My program is preparing me adequately for my current career goals.						
1 = Strongly disagree, ... 5 = Strongly agree						
Overall Average	Strongly disagree	Generally disagree	Neither agree nor disagree	Generally agree	Strongly agree	N
3.59	6%	11%	20%	46%	17%	411

Revisiting Your Graduate Studies

Q25. How likely are you to stay in your program until you achieve your ultimate degree objective?						
1 = Very unlikely, ... 5 = Very likely						
Overall Average	Very unlikely	Somewhat unlikely	Not sure	Somewhat likely	Very likely	N
4.65	2%	2%	5%	12%	79%	411

Q26. If you could start all over again...							
1 = Definitely not, 2 = Probably not, 3 = Maybe, 4 = Probably, 5 = Definitely							
	Overall Average	Definitely not	Probably not	Maybe	Probably	Definitely	N
Would you choose to pursue a PhD or Master's?	4.36	2%	4%	11%	23%	60%	410
Would you choose the same field of study?	4.20	2%	7%	14%	24%	54%	411
Would you choose to come to Dartmouth?	3.69	6%	10%	24%	28%	32%	411

Q27. Would you recommend Dartmouth to someone considering your field of study?						
1 = Definitely not, 2 = Probably not, 3 = Maybe, 4 = Probably, 5 = Definitely						
Overall Average	Definitely not	Probably not	Maybe	Probably	Definitely	N
3.64	8%	11%	21%	29%	31%	402

Appendix 1

Respondent vs. Non-Respondent Comparison

Major

	Number of Survey Respondents	Number of Invitations	Response Rate
Biochemistry & Cell Biology (BCB)	25	38	66%
Chemistry (CHEM)	24	42	57%
Comparative Literature (COLT)	4	9	44%
Computer Science (COSC)	41	80	51%
Earth Sciences (EARS)	17	25	68%
Ecology & Evolutionary Biology (EEB)	17	29	59%
Ecology, Evolution, Ecosystems & Society (EEES)	18	19	95%
Engineering Sciences (ENGs)	65	132	49%
Health Care Delivery Science (HCDS)	15	81	19%
Master of Arts in Liberal Studies (MALS)	55	155	35%
Math (MATH)	17	28	61%
Microbiology (MICR)	22	53	42%
Molecular & Cellular Biology (MCB)	10	23	43%
Molecular and Systems Biology (MSB)	16	22	73%
Music (MUS)	4	5	80%
Physics (PHYS)	26	42	62%
Program in Molecular Medicine (PEMM)	31	48	65%
Psychological & Brain Sciences (PBS)	26	42	62%
Quantitative Biomedical Sciences (QBS)	29	59	49%
The Dartmouth Institute (TDI)	9	16	56%
Total	471	948	50%

There were statistically significant differences between survey respondents and non-respondents due to major ($\chi^2 = 87.95$, $p < 0.0001$).

Race/Ethnicity/Citizenship

	Number of Survey Respondents	Number of Invitations	Response Rate
International	137	279	49%
Minority	74	155	48%
Unknown	10	25	40%
White	250	489	51%
Total	471	948	50%

Excluding respondents with "Unknown", there were no statistically significant differences between survey respondents and non-respondents due to race/ethnicity ($\chi^2 = 0.65$, $p = 0.7218$).

Student type

	Number of Survey Respondents	Number of Invitations	Response Rate
Continuing	341	670	51%
New	130	278	47%
Total	471	948	50%

There were no statistically significant differences between survey respondents and non-respondents due to student type ($\chi^2 = 1.34$, $p = 0.2466$).

Appendix 2

Comparisons of Average Differences by Race/ Ethnicity/Citizenship, and Student Type

Guarini 2019 Survey Results

By Race/Ethnicity

Question	N	Overall Average	White	Minority	International	ProbF*	η ²
Q2. Overall, how satisfied are you with your graduate education? (1=Very dissatisfied, ... 5=Very satisfied)	439	3.85	3.93	3.80	3.72	0.11	0.01
Q3. Please rate each of the following: (1=Poor, 2=Fair, 3=Good, 4=Very good, 5=Excellent)							
Your academic experience at Dartmouth	460	3.59	3.64	3.41	3.58	0.28	0.01
Your student life experience at Dartmouth	458	3.17	3.21	2.99	3.21	0.27	0.01
Your overall experience at Dartmouth	459	3.51	3.61 b	3.25 a	3.47	0.02	0.02
Q4. Please rate the quality of the following support and services provided by Dartmouth: (1= Poor, 2=Fair, 3=Good, 4=Very good, 5=Excellent)							
Financial support provided by Dartmouth	410	3.69	3.72	3.55	3.72	0.58	0.00
Health insurance coverage provided by Dartmouth	390	3.16	3.16	2.80 c	3.33 b	0.03	0.02
Information technology resources	406	3.83	3.83	3.58 c	3.96 b	0.04	0.02
Laboratory, clinical, studio, or other physical facilities	392	3.79	3.80	3.67	3.83	0.58	0.00
Your personal workspace (e.g., desk or office)	412	3.58	3.58	3.42	3.67	0.37	0.00
Guarini School professional development offerings	311	3.17	3.15	2.92	3.30	0.14	0.01
Psychological counseling services	229	2.93	2.67 c	2.59 c	3.46 ab	<.0001	0.08
Campus health care services	372	3.60	3.61	3.28 c	3.75 b	0.03	0.02
Programs and services for international students	147	3.18	2.92	2.17	3.25	0.10	0.03
Programs and resources of the writing center or program (RWIT)	138	3.70	3.67	3.41	3.77	0.52	0.01
Programs and resources of the teaching center or program (DCAL)	225	3.81	3.85	3.70	3.79	0.76	0.00
Q5. Using a scale of 1–5, please rate the department or program climate on the following dimensions. (1 = Negative ... 5 = Positive)							
friendly: hostile	456	4.17	4.23	3.96	4.18	0.08	0.01
positive for persons with disabilities: negative for persons with disabilities	447	3.57	3.44 c	3.22 c	4.00 ab	<.0001	0.08

Guarini 2019 Survey Results

Question	N	Overall Average	White	Minority	International	ProbF*	η^2
positive for people who identify as lesbian, gay, bisexual, queer or transgender: negative for people who identify as lesbian,queer or transgender	447	3.87	3.95 b	3.53 ac	3.91 b	0.01	0.02
positive for people of spiritual/religious backgrounds: negative for people of spiritual/religious backgrounds	448	3.62	3.56 c	3.35 c	3.86 ab	0.00	0.03
positive for People of Color: negative for People of Color	452	3.57	3.52	3.30 c	3.79 b	0.01	0.02
native English speakers	451	3.51	3.48	3.32	3.66	0.05	0.01
welcoming: not welcoming	458	4.00	4.04 b	3.68 ac	4.08 b	0.03	0.02
homogeneous: diverse	457	2.90	2.79 c	2.75	3.16 a	0.01	0.02
disrespectful: respectful	458	3.98	3.99	3.81	4.07	0.22	0.01
collegial: contentious	456	3.90	3.94	3.81	3.90	0.65	0.00
sexist: sexist	456	3.63	3.54 c	3.39 c	3.92 ab	0.00	0.03
collaborative: individualistic	459	3.63	3.69	3.51	3.57	0.45	0.00
cooperative: competitive	459	3.86	3.95	3.70	3.77	0.09	0.01
not supportive: supportive	457	3.81	3.84	3.74	3.80	0.79	0.00
rigid: flexible	457	3.51	3.55	3.30	3.56	0.20	0.01
threatening: protective	457	3.66	3.70	3.48	3.68	0.23	0.01
encouraging: discouraging	459	3.91	3.94	3.69	3.98	0.12	0.01
inclusive: exclusionary	457	3.73	3.76	3.49	3.81	0.10	0.01
Q6. Rate the extent to which you agree or disagree with the following statements. (1= Strongly disagree, ... 5=Strongly agree)							
My peers value my research/scholarship	422	3.99	4.05	3.90	3.91	0.26	0.01
I have to work harder than some of my peers to be perceived as a legitimate scholar	429	3.18	2.99 bc	3.39 a	3.40 a	0.00	0.03
My own relationships and interactions with faculty are positive	447	4.19	4.15	4.08	4.33	0.08	0.01
I have the resources I need to succeed	445	3.92	3.92	3.75	4.00	0.27	0.01
My program is responsive to student concerns	428	3.52	3.42 c	3.37	3.78 a	0.01	0.02

Guarini 2019 Survey Results

Question	N	Overall Average	White	Minority	International	ProbF*	η^2
Financial support for students in my program is distributed fairly	366	3.95	4.02	3.89	3.88	0.49	0.00
My program's procedures are fair and equitable to all	423	3.70	3.67	3.57	3.80	0.35	0.01
I am comfortable voicing my feelings and opinions in front of others in my program	444	3.65	3.72	3.41	3.67	0.15	0.01
Q12. For each of the following statements, indicate the extent to which it describes your <u>primary</u> advisor. (1 = Strongly disagree, ... 5 = Strongly agree)							
Discusses my research with me on a regular basis	421	4.04	3.98	3.86	4.25	0.04	0.02
Gives me constructive feedback on my work	421	4.00	3.93	3.87	4.21	0.06	0.01
Clearly states expectations for my academic progress	422	3.57	3.44 c	3.53	3.83 a	0.03	0.02
Has reasonable expectations for my academic progress	423	3.95	3.91	4.01	3.98	0.70	0.00
Promotes my professional development	422	3.83	3.79	3.67	4.00	0.13	0.01
Shares her/his considerable experience and/or training	421	4.04	4.06	3.87	4.09	0.35	0.00
Expects me to work so many hours that it is hard to have a personal life	422	2.24	2.13	2.40	2.37	0.11	0.01
Has made me feel valued	419	3.76	3.68	3.75	3.92	0.19	0.01
Sees me as a source of labor to advance his/her career	422	2.17	2.07	2.37	2.25	0.18	0.01
Q13. Have you received assistance or support on each of the following? If so, how helpful was the assistance or support? (1=Not at all helpful, ... 4=Very helpful)							
Standards for academic or professional writing in my field	239	3.24	3.15 c	3.27	3.41 a	0.03	0.03
Avoiding plagiarism and other violations of the standards of academic integrity	244	3.19	3.04 c	3.14 c	3.44 ab	0.00	0.07
Understanding the professional and research ethics in my field	294	3.12	3.01 c	3.12	3.29 a	0.01	0.03
Writing grant or fellowship proposals	234	3.12	3.11	3.20	3.08	0.74	0.00
Preparing articles for publication	223	3.13	3.14	3.03	3.19	0.65	0.00
Effective oral communication and presentations	290	3.25	3.23	3.33	3.24	0.70	0.00

Guarini 2019 Survey Results

Question	N	Overall Average	White	Minority	International	ProbF*	η^2
Academic career planning	195	2.91	2.96	2.67	2.97	0.17	0.02
Non-academic career planning	178	2.66	2.52 c	2.56	2.95 a	0.03	0.04
Q14. Please rate your program in the following areas: (1= Poor, 2=Fair, 3=Good, 4=Very good, 5=Excellent)							
Quality of graduate curriculum	413	3.04	3.04	2.87	3.13	0.36	0.00
level teaching by faculty	413	3.29	3.28	3.19	3.37	0.56	0.00
Quality of academic advising and guidance	412	3.28	3.28	3.04	3.43	0.12	0.01
The opportunity to collaborate across disciplines	411	3.24	3.36	3.04	3.13	0.12	0.01
Developing me as a scholar	411	3.44	3.49	3.39	3.37	0.58	0.00
Developing me as a teacher	410	2.71	2.71	2.51	2.82	0.22	0.01
Developing me as a communicator	411	3.29	3.37	3.12	3.22	0.18	0.01
Q15. Rate the quality of courses offered to you. (1= Poor, 2=Fair, 3=Average, 4=Very good, 5=Excellent)							
Depth of content in courses within your area of specialty	400	3.34	3.25	3.23	3.56	0.11	0.01
Breadth of content in courses within your area of specialty	401	3.22	3.08 c	3.15	3.54 a	0.01	0.02
Depth of content in courses outside your area of specialty	378	3.62	3.60	3.67	3.63	0.91	0.00
Breadth of content in courses outside your area of specialty	379	3.65	3.58	3.66	3.77	0.35	0.01
State-of-the-art course content	376	3.38	3.28	3.29	3.62	0.06	0.01
Q16. If you completed a qualifying exam this past year, what was your experience? (1= Strongly disagree, .. 4=Strongly agree)							
The conduct of exam was fair	140	3.25	3.27	3.00	3.33	0.31	0.02
The exam was useful in consolidating my knowledge	139	3.19	3.12	3.18	3.30	0.55	0.01
The exam topics were relevant to my training	138	3.32	3.29	3.24	3.39	0.69	0.01
17b. You checked your department or program provide pre-candidacy students with the following opportunities or resources, how effective was it? (1= Very ineffective, ... 5=Very effective)							
A departmental/program orientation to help you understand the process of completing your graduate degree	314	3.77	3.69	3.72	3.97	0.13	0.01

Guarini 2019 Survey Results

Question	N	Overall Average	White	Minority	International	ProbF*	η^2
A written set of expectations about academic requirements and expected progress in your program	353	3.71	3.71	3.60	3.76	0.75	0.00
Organized exposure to faculty and their current research interests	296	3.77	3.73	4.06	3.67	0.14	0.01
advised research projects or papers)	267	4.04	4.09	4.05	3.95	0.68	0.00
A written assessment of your academic progress, other than course grades and qualifying exams, at least annually	181	3.49	3.37	3.63	3.58	0.44	0.01
A meeting with your Director of Graduate Studies and/or other faculty to assess your academic progress, at least annually	193	3.67	3.56	3.69	3.86	0.27	0.01
Q19. Rate the extent to which you agree or disagree with the following statements about this most recent teaching appointment. (1= Strongly disagree, ... 5=Strongly agree)							
I understood the goals of the course	286	4.23	4.30	3.98	4.25	0.08	0.02
I understood what the faculty expected of me	283	4.16	4.17	4.09	4.19	0.82	0.00
This teaching appointment was related to my program of study	281	3.93	3.86	3.78	4.13	0.11	0.02
I received helpful feedback about my teaching from the course instructor	280	3.28	3.17	3.37	3.44	0.28	0.01
Q24. To what extent do you agree or disagree with the following statement? My program is preparing me adequately for my current career goals. (1= Strongly disagree, ... 5=Strongly agree)	403	3.59	3.66	3.36	3.59	0.14	0.01
Q25. How likely are you to stay in your program until you achieve your ultimate degree objective? (1=Very unlikely, ... 5= Very likely)	403	4.65	4.63	4.75	4.64	0.57	0.00
Q26. If you could start all over again... (1=Definitely not, 2=Probably not, 3=Maybe, 4=Probably, 5=Definitely)							
Would you choose to pursue a PhD or Master's?	403	4.37	4.33	4.33	4.47	0.44	0.00

Guarini 2019 Survey Results

Question	N	Overall Average	White	Minority	International	ProbF*	η^2
Would you choose the same field of study?	403	4.21	4.26	4.12	4.18	0.58	0.00
Would you choose to come to Dartmouth?	403	3.68	3.69	3.61	3.72	0.83	0.00
Q27. Would you recommend Dartmouth to someone considering your field of study? (1=Definitely not, 2=Probably not, 3=Maybe, 4=Probably, 5=Definitely)	395	3.64	3.61	3.51	3.78	0.32	0.01
Frequency Count	461		250	74	137		

Notes: Significance tests based on Analysis of Variance (ANVOVA) with Tukey post-hoc tests. Lower case letter by average indicates that, for a given row, the cell mean is significantly different (at least $*p < .05$) from the corresponding mean in column denoted by the letter. Effect Size η^2 is the percentage of variance explained by Race/Ethnicity. Effect Size $\eta^2 = \text{Between-Groups Sum of Squares} / \text{Total Sum of Squares}$. $\eta^2 = .01 \sim \text{small}$; $\eta^2 = .06 \sim \text{medium}$, $\eta^2 = .14 \sim \text{large}$.

Guarini 2019 Survey Results

By Student Type

Question	N	Overall Average	Continuing	New	ProbF*	η^2
Q2. Overall, how satisfied are you with your graduate education? (1=Very dissatisfied, ... 5=Very satisfied)	449	3.85	3.77 b	4.05 a	0.00	0.02
Q3. Please rate each of the following: (1=Poor, 2=Fair, 3=Good, 4=Very good, 5=Excellent)						
Your academic experience at Dartmouth	470	3.58	3.50 b	3.79 a	0.01	0.01
Your student life experience at Dartmouth	468	3.17	3.10 b	3.34 a	0.03	0.01
Your overall experience at Dartmouth	469	3.50	3.41 b	3.76 a	0.00	0.03
Q4. Please rate the quality of the following support and services provided by Dartmouth: (1= Poor, 2=Fair, 3=Good, 4=Very good, 5=Excellent)						
Financial support provided by Dartmouth	418	3.69	3.66	3.76	0.47	0.00
Health insurance coverage provided by Dartmouth	394	3.17	3.08 b	3.48 a	0.01	0.02
Information technology resources	414	3.84	3.77 b	4.04 a	0.01	0.02
Laboratory, clinical, studio, or other physical facilities	396	3.79	3.71 b	4.03 a	0.01	0.02
Your personal workspace (e.g., desk or office)	417	3.57	3.53	3.68	0.26	0.00
Guarini School professional development offerings	316	3.17	3.08 b	3.45 a	0.01	0.02
Psychological counseling services	230	2.93	2.85	3.28	0.05	0.02
Campus health care services	376	3.61	3.49 b	4.01 a	0.00	0.04
Programs and services for international students	147	3.18	3.12	3.32	0.42	0.00
Programs and resources of the writing center or program (RWIT)	140	3.70	3.60	3.97	0.09	0.02
Programs and resources of the teaching center or program (DCAL)	229	3.82	3.82	3.81	0.94	0.00
Q5. Using a scale of 1–5, please rate the department or program climate on the following dimensions. (1 = Negative ... 5 = Positive)						
friendly: hostile	466	4.17	4.08 b	4.39 a	0.00	0.02
positive for persons with disabilities: negative for persons with disabilities	457	3.57	3.48 b	3.82 a	0.00	0.02

Guarini 2019 Survey Results

Question	N	Overall Average	Continuing	New	ProbF*	η^2
positive for people who identify as lesbian, gay, bisexual, queer or transgender: negative for people who identify as lesbian,queer or transgender	457	3.87	3.80 b	4.05 a	0.02	0.01
positive for people of spiritual/religious backgrounds: negative for people of spiritual/religious backgrounds	458	3.61	3.51 b	3.88 a	0.00	0.03
positive for People of Color: negative for People of Color	462	3.56	3.46 b	3.82 a	0.00	0.02
native English speakers	461	3.51	3.43 b	3.72 a	0.01	0.02
welcoming: not welcoming	468	4.00	3.89 b	4.28 a	0.00	0.03
homogeneous: diverse	467	2.90	2.81 b	3.13 a	0.01	0.01
disrespectful: respectful	468	3.99	3.90 b	4.22 a	0.00	0.02
collegial: contentious	466	3.90	3.87	3.98	0.29	0.00
sexist: sexist	466	3.61	3.47 b	3.99 a	<.0001	0.04
collaborative: individualistic	469	3.62	3.52 b	3.90 a	0.00	0.02
cooperative: competitive	469	3.86	3.77 b	4.10 a	0.00	0.02
not supportive: supportive	467	3.81	3.73 b	4.04 a	0.01	0.02
rigid: flexible	467	3.51	3.43 b	3.71 a	0.02	0.01
threatening: protective	467	3.66	3.60	3.79	0.07	0.01
encouraging: discouraging	469	3.91	3.79 b	4.24 a	<.0001	0.04
inclusive: exclusionary	467	3.73	3.65 b	3.94 a	0.01	0.01
Q6. Rate the extent to which you agree or disagree with the following statements. (1= Strongly disagree, ... 5=Strongly agree)						
My peers value my research/scholarship	431	3.99	3.93 b	4.17 a	0.02	0.01
I have to work harder than some of my peers to be perceived as a legitimate scholar	439	3.17	3.22	3.04	0.18	0.00
My own relationships and interactions with faculty are positive	457	4.19	4.11 b	4.42 a	0.00	0.02
I have the resources I need to succeed	455	3.93	3.87 b	4.10 a	0.04	0.01
My program is responsive to student concerns	436	3.53	3.40 b	3.88 a	0.00	0.03

Guarini 2019 Survey Results

Question	N	Overall Average	Continuing	New	ProbF*	η^2
Financial support for students in my program is distributed fairly	371	3.96	3.96	3.96	0.99	0.00
My program's procedures are fair and equitable to all	431	3.70	3.60 b	3.97 a	0.00	0.02
I am comfortable voicing my feelings and opinions in front of others in my program	454	3.66	3.57 b	3.89 a	0.01	0.01
Q12. For each of the following statements, indicate the extent to which it describes your <u>primary advisor</u>. (1 = Strongly disagree, ... 5 = Strongly agree)						
Discusses my research with me on a regular basis	429	4.02	4.09	3.85	0.06	0.01
Gives me constructive feedback on my work	429	3.98	3.99	3.95	0.72	0.00
Clearly states expectations for my academic progress	430	3.56	3.49 b	3.76 a	0.05	0.01
Has reasonable expectations for my academic progress	431	3.93	3.93	3.92	0.96	0.00
Promotes my professional development	430	3.82	3.82	3.82	0.97	0.00
Shares her/his considerable experience and/or training	429	4.04	4.06	3.96	0.41	0.00
Expects me to work so many hours that it is hard to have a personal life	430	2.25	2.26	2.24	0.90	0.00
Has made me feel valued	427	3.74	3.70	3.87	0.20	0.00
Sees me as a source of labor to advance his/her career	430	2.17	2.20	2.08	0.40	0.00
Q13. Have you received assistance or support on each of the following? If so, how helpful was the assistance or support? (1=Not at all helpful, ... 4=Very helpful)						
Standards for academic or professional writing in my field	242	3.24	3.20	3.35	0.14	0.01
Avoiding plagiarism and other violations of the standards of academic integrity	248	3.19	3.12 b	3.35 a	0.02	0.02
Understanding the professional and research ethics in my field	299	3.11	3.04 b	3.29 a	0.01	0.03
Writing grant or fellowship proposals	236	3.11	3.06 b	3.42 a	0.01	0.03
Preparing articles for publication	224	3.13	3.09	3.28	0.21	0.01
Effective oral communication and presentations	294	3.25	3.22	3.33	0.27	0.00

Guarini 2019 Survey Results

Question	N	Overall Average	Continuing	New	ProbF*	η^2
Academic career planning	197	2.91	2.85 b	3.20 a	0.02	0.03
Non-academic career planning	180	2.66	2.54 b	3.15 a	0.00	0.06
Q14. Please rate your program in the following areas: (1= Poor, 2=Fair, 3=Good, 4=Very good, 5=Excellent)						
Quality of graduate curriculum	420	3.04	2.93 b	3.36 a	0.00	0.03
level teaching by faculty	420	3.29	3.17 b	3.62 a	0.00	0.03
Quality of academic advising and guidance	419	3.27	3.20 b	3.49 a	0.03	0.01
The opportunity to collaborate across disciplines	418	3.24	3.13 b	3.55 a	0.00	0.02
Developing me as a scholar	418	3.44	3.39	3.59	0.11	0.01
Developing me as a teacher	417	2.71	2.60 b	3.02 a	0.00	0.03
Developing me as a communicator	418	3.30	3.19 b	3.59 a	0.00	0.02
Q15. Rate the quality of courses offered to you. (1= Poor, 2=Fair, 3=Average, 4=Very good, 5=Excellent)						
Depth of content in courses within your area of specialty	407	3.34	3.19 b	3.78 a	0.00	0.04
Breadth of content in courses within your area of specialty	409	3.22	3.03 b	3.75 a	<.0001	0.06
Depth of content in courses outside your area of specialty	386	3.63	3.52 b	3.93 a	0.00	0.03
Breadth of content in courses outside your area of specialty	385	3.65	3.54 b	3.96 a	0.00	0.03
State-of-the-art course content	383	3.37	3.24 b	3.76 a	0.00	0.03
Q16. If you completed a qualifying exam this past year, what was your experience? (1= Strongly disagree, .. 4=Strongly agree)						
The conduct of exam was fair	141	3.26	3.23	3.40	0.42	0.00
The exam was useful in consolidating my knowledge	140	3.19	3.17	3.35	0.39	0.01
The exam topics were relevant to my training	138	3.32	3.30	3.45	0.43	0.00
17b. You checked your department or program provide pre-candidacy students with the following opportunities or resources, how effective was it? (1= Very ineffective, ... 5=Very effective)						
A departmental/program orientation to help you understand the process of completing your graduate degree	320	3.77	3.68 b	4.00 a	0.02	0.02

Guarini 2019 Survey Results

Question	N	Overall Average	Continuing	New	ProbF*	η^2
A written set of expectations about academic requirements and expected progress in your program	360	3.71	3.62 b	4.01 a	0.01	0.02
Organized exposure to faculty and their current research interests	300	3.77	3.69	3.99	0.06	0.01
advised research projects or papers)	271	4.04	3.98	4.20	0.19	0.01
A written assessment of your academic progress, other than course grades and qualifying exams, at least annually	184	3.48	3.35 b	3.95 a	0.01	0.04
A meeting with your Director of Graduate Studies and/or other faculty to assess your academic progress, at least annually	196	3.67	3.65	3.76	0.59	0.00
Q19. Rate the extent to which you agree or disagree with the following statements about this most recent teaching appointment. (1= Strongly disagree, ... 5=Strongly agree)						
I understood the goals of the course	290	4.22	4.24	4.16	0.56	0.00
I understood what the faculty expected of me	287	4.16	4.14	4.24	0.47	0.00
This teaching appointment was related to my program of study	285	3.93	3.91	4.02	0.50	0.00
I received helpful feedback about my teaching from the course instructor	284	3.29	3.17 b	3.77 a	0.00	0.03
Q24. To what extent do you agree or disagree with the following statement? My program is preparing me adequately for my current career goals. (1= Strongly disagree, ... 5=Strongly agree)	411	3.59	3.48 b	3.88 a	0.00	0.03
Q25. How likely are you to stay in your program until you achieve your ultimate degree objective? (1=Very unlikely, ... 5= Very likely)	411	4.65	4.65	4.64	0.91	0.00
Q26. If you could start all over again... (1=Definitely not, 2=Probably not, 3=Maybe, 4=Probably, 5=Definitely)						
Would you choose to pursue a PhD or Master's?	410	4.36	4.27 b	4.62 a	0.00	0.03

Guarini 2019 Survey Results

Question	N	Overall Average	Continuing	New	ProbF*	η^2
Would you choose the same field of study?	411	4.20	4.10 b	4.49 a	0.00	0.03
Would you choose to come to Dartmouth?	411	3.69	3.52 b	4.15 a	<.0001	0.05
Q27. Would you recommend Dartmouth to someone considering your field of study? (1=Definitely not, 2=Probably not, 3=Maybe, 4=Probably, 5=Definitely)	402	3.64	3.48 b	4.12 a	<.0001	0.05
Frequency Count	471		341	130		

Notes: Significance tests based on Analysis of Variance (ANVOVA) with Tukey post-hoc tests. Lower case letter by average indicates that, for a given row, the cell mean is significantly different (at least $*p < .05$) from the corresponding mean in column denoted by the letter. Effect Size η^2 is the percentage of variance explained by Student Type. Effect Size $\eta^2 = \text{Between-Groups Sum of Squares} / \text{Total Sum of Squares}$. $\eta^2 = .01 \sim \text{small}$; $\eta^2 = .06 \sim \text{medium}$, $\eta^2 = .14 \sim \text{large}$.