ACS Committee on Professional Training Graduate Education Survey

Thank you for taking the time to complete this questionnaire. The time needed to complete this form varies according to individual circumstances, but the average time is estimated to be 45 minutes. If you need to stop and return to the form at a later time, all of the responses are saved as you answer each question.

All information you provide will treated as CONFIDENTIAL and be available only to members of the ACS Committee on Professional Training and staff in the ACS Office of Professional Training for the purposes of preparing a report on the characteristics of graduate education at colleges and universities in the United States. The published report will include data only in compiled format and will not be associated with any individual institution.

If you have any questions about the survey items or the use of this information, please contact Marta at m_gmurczyk@acs.org or at (202) 872-4599.

To acces	ss the survey, please enter the survey code found at the end of the cover letter.
	Graduate Student Statistics and Requirements
1. How n	nany graduate students do you have in the Ph.D. program?
	1a. How many of the Ph.D. students are international students?
	1b. For the Ph.D. students who are U.S. citizens/permanent residents, please list the number who are: African American Native American Women
approxin	g your incoming graduate students who received their undergraduate degree from a U.S. college, nately what percentage graduated from a chemistry program approved by the American Chemical (For the list of the ACS- approved programs see swebapplications.acs.org/applications/cpt/asl/app_list_results.cfm)
study?	ntering graduate students required to take placement exams to determine their preparation for graduate
	Yes O No 3a. (Only if question 3 is answered yes) Do you have any programs in place to correct deficiencies (beyond taking undergraduate courses) in preparation for graduate study? O Yes O No
	udents required to take formal graduate courses in addition to graduate research and seminars? Yes O No
	4a. (Only if question 4 is answered yes) What is the minimum number of credits of formal graduate courses required, not including research and seminars?
	4b. (Only if question 4 is answered yes) Approximately how many of the required credits are within the student's own field of chemistry (e.g., organic chemistry)?

	40. (OI		i 4 is allswell	u yes <i>) A</i>	ire tires	se courses ta	ugiit o	ii tile seilles	ster or quarter	syst e iii:
	0	Quarter								
	0	Other								
		-	seminars or audiences other	-		•			tion defense) is	s a Ph.D.
_	-	_	students to cre	eate and	defen	d original res	earch	proposal(s)	in addition to t	heir
	ation pro	oposal?	O. Na							
U	Yes		O No					,		
	studen	it's own resea		,		se required re	esearc	h proposal(s) be related to	а
	0	Yes		0	No					
	-	nly if question Yes	n 6 is answere	ed yes) Is O	s more No	than one pro	posal	required?		
7. Do y	our requ	irements for	the Ph.D. incl	ude any	of the	following:				
		Cumulative	examinations	0	Yes		0	No		
		Oral Pre	liminary exam	0	Yes		0	No		
	Co	•	written exam		Yes		0	No		
		-	sive oral exam		Yes		0	No		
		Dissert	ation defense	_	Yes		0	No		
			Other	. 0	Yes		0	No		
	If c	other, please	describe:							
8. Do y	ou have	a foreign lan	guage require	ement fo	r the P	h.D.?				
0	Yes		O No							
	8a. If y	es, which lan	guage(s) mee	t this re	quirem	ent?				
	Ľ	•	<u> </u>		•					
9 Doe	e each di	raduate stude	ent give a pub	lic oral r	rasant	ation of his/h	ar dise	sertation?		
3. DUC.	Yes	addate Stude	O No	iic orai p) CSCIII	ation of mis/ii	ici uis	sertation:		
O	103		0 110							
			Grad	duate \$	Stude	ent Progres	ssion	l		
1. App	roximate	ly, what perc	entage of all ç	graduate	stude	nts is suppor	ted thr	ough teach	ing assistantsh	nips (TA)?
	1a Wh	at is the TA s	stipend range	?						
	1 a. W 11	at is the IA's	nipena range	low \$\$\$		high \$\$\$				
		pend Range:								. ,
		ly, what perc ed research f	-	graduate	studei	nts is suppor	tea thr	ougn resea	rch assistansh	ips irom
3. Are	the base	stipends for	teaching assi	stants (1	ΓAs) an	nd research a	ssistar	nts (RAs) th	e same?	
0. A.O	Yes	-1.poao 101	O No	((10) 111	- 34	

4. Appro	eximately, what percentage of the	e total graduate student support is through:			
University or department fellowships					
	Government fe	•			
	Training grants, interdi				
	Training grants,				
		Industry			
		Other			
	If other, please list:				
5. What	percentage of graduate students	receives some formal preparation for a faculty position?			
	5a. Do laboratory section TAs re O Yes	ceive formal instructions before they start as TAs? O No			
	5b. What percentage of TAS tead	ches discussion sections sometime during their graduate career?			
	5c. Do discussion section TAs r	eceive formal instruction in teaching before they start as TAs? O No			
6 What		completes an internship in industry or government laboratories during			
	percentage of graduate students iduate school years?	completes an internship in industry or government laboratories during			
then gra	duate school years:				
7. What		receives training outside of formal course work in areas such as:			
	Ethics/Scientific integrit				
	Intellectual property/patent Communication skill				
	Business/economic				
	Mentorin				
	Grant writin				
	Othe	·			
8. What	percentage of graduate students				
	8a. Participates in interdisciplina	ary projects involving other departments?			
	8b. Has more than one advisor?				
	ob. Has more than one advisor:				
	8c. If more than one advisor, are	they all from the:			
	O Same department				
	O Different departments				
9 Unon	entering the graduate program	what percentage of students selects a research advisor within the first:			
o. opo	2 month				
	6 month				
	1 yea				
	late				
10 In the		n advisor, faculty members speak about their research to the entering			
students	-	radvisor, raduity inclinacia apear about their research to the efferting			
	As a group				
	Individually				
	Both				
_					

11. 00	you requ	aire or pei	mit iabo	ratory	y rotations before a final advisor is chosen?	
Ο	Require	Э				
Ο	Permit					
0	Neither					
	here a lir Yes	nit to the		of grad	aduate students an advisor may accept into his/her research gro	up?
		ınnar limi		_	unt of time allowed for achieving a Ph.D.?	
	Yes	apper iiiiii		No	ant of time anowed for acmeving a Fil.D.?	
	13a. If	yes, how	many ye	ars?		
14. Is tl	here an ι	upper limi	it on yea	rs of s	support (of any kind)?	
0	Yes		0	No		
	14a. If	yes, how	many ye	ars?		
15. Wh	at is the	average r	number o	of year	ars for completion of a Ph.D. degree?	
				•	•	
16. Doe	es your c	lepartmer	nt have a	Direct	ctor of Graduate Studies?	
0	Yes		0	No		
	16a (O	nly if aue	estion 16	is ans	swered yes) Is the Director of Graduate Studies:	
					nure-track faculty member	
			A nonte	nure-tr	track faculty member	
			Not a fa	culty m	member	
17. Doestudy?	-	graduate	student l	have a	an advisory committee that follows his/her progress through grad	duate
•	Yes		0	No		
	17a. (O commi		estion 17	is ans	swered yes) Do all advisory committee members serve on the fir	nal Ph.D.
		Yes		(O No	
	17b. (C	-	estion 17	is ans	nswered yes) Is the research advisor a member of the student's a	dvisory
	0			(O No	
18 Are	mechan	isms in n	lace to e	nsure	e that the graduate student is aware of and understands the requ	irements
for Ph.			1400 10 0	7110410	o that the graduate etadent le amare et and anderetande the requ	01110110
	Yes		0	No		
	18a. If	yes, pleas	se descri	ibe:		
19. Is tl	here a gr	aduate st	udent ha	andboo	ook prepared by the department?	
0	Yes		0	No		
20. Are	mechan	isms in p	lace for	the stu	tudents to evaluate their progress throughout the Ph.D. experien	ce?
0	Yes		Ο	No		
	20a. If	yes, brief	ly explai	n:		
			-			

Faculty and Departmental Structure

1. What is the TOTAL number of tenure-track and tenured faculty in your department?
Tenured Not tenured but tenure-track Total Number
1a. What is the number of tenure-track and tenured faculty in your department in the following categories:
African American Hispanic Native American Women Not tenured but tenure-track
1b. How many of your tenured and tenure-track faculty received at least one of their post-secondary degrees outside of the U.S.?
2. Do you have regular colloquia, either department wide or divisional? O Yes O No
 2a. (Only if question 2 is answered yes) What percentage of the colloquia speakers comes from industry? (Estimate to the nearest 10%.) 2b. (Only if question 2 is answered yes) What percentage of the colloquia speakers comes from government? (Esitimate to the nearest 10%.)
3. Is there a formal graduate student organization (or graduate affairs committee? (Check all that apply.) In the department At the institution (campuswide) No formal graduate student organization
4. Are mechanisms in place for the graduate student organization or individual graduate students to participate in the policies of the department, such as:
4a. Responsibility for the seminar program (selecting and hosting the speakers)? O Yes O No
4b. Representation on faculty committees such as: (Check all that apply.) Department seminar committees Faculty search committees Graduate program committee (Ph.D. requirements, graduate courses) Graduate admissions committee Graduate advisory and appeals committee Instrumentation committee Other If other, please explain:
4c. Is there a meeting place or commons specifically for graduate students?
O Yes O No

5. Where do the students obtain information on careers and/or skills needed to obtain jobs or postdoctoral
positions? (Check all that apply.)
Departmental events
Research advisor
University Placement/Career Center
Departmental Bulletin Boards
Departmental Websites
American Chemical Society
Other
If other, please list:
5a. Does the department have a system of tracking the employment of its doctoral students after they
graduate (e.g., an alumni data base)?
O Yes O No
6. How many postdoctoral fellows are currently in the department?
6a. What percentage of these postdoctoral fellows is international?
da What percentage of these postaceteral follows is international.
7. For new assistant professors hired in the past three years:
7a. What is the average starting salary (9-10 month basis)?
7b. What is the average dollar value of start-up packages?
8. Please list the approximate percentage (to the nearest 10%) of your department's research funding for the
current year that comes from:
NIH
NSF
Department of Energy
Department of Defense
Department of Homeland Security
ACS-PRF
Private Foundation
Industry
Other
If other, please list:
9. Is your department organized divisionally (organic, physical, etc.)?
O Yes O No
9a. Is a biochemistry (or chemical biology, or similar) division part of your department?
O Yes O No
40. Dono your institution/donortment have any procedures in place to provide family assumes for the family
10. Does your institution/department have any procedures in place to provide family services for the faculty?
O Yes O No

10a. (Only if question 10 is answered yes) Which family services does the institution provide? (Check						
all that apply.) Child care						
Extended tenure decision						
Parental/family leave						
Other						
If other, please describe:						
10b. (Only if question 10 is answered yes) Are postdoctoral associates able to use any of these services?						
O Yes O No						
10c. (Only if question 10 is answered yes) Are graduate students able to use any of these services? O Yes O No						
11. Has the department made any significant changes in the doctoral program in the last five years?						
O Yes O No						
11a. If yes, please briefly describe them:						
12. How frequently is the department's graduate program reviewed (please check)?						
Five-Year No set						
Annually Bienially Intervals schedule						
Self Evaluation 0 0 0 0 0 0 C C C C C C C C C C C C C						
External Review 0 0 0 0						
13. Please add any additional comments that you wish to, concerning the Ph.D. program in your department.						
14. Your institution is:						
O Public University						
O Private University						
Master's Program Survey						
1. Which master's degree(s) does your department offer? (Please check all that apply)						
Master of Science						
Master of Arts						
Master of Materials Science						
Master of Arts in Teaching						
Professional Master's Other						
If other, please list:						
outer, present non						
1a. Do you have an interdepartmental program for a master's that is not granted by your department?						
1a. Do you have an interdepartmental program for a master's that is not granted by your department? O Yes O No 2. On average how many master's degrees do you award annually as a final degree?						

3. What percentage of students who enter your Ph.D. program terminates their graduate studies with a master's degree?
4. What is the number of years required to earn a master's degree?
Minimum Typical Typical
5. How many credits of formal graduate courses, excluding research, are required for a master's degree?
5a. Are these taught on the semester or quarter system?
O Semester
O Quarter
O Other
6. Is a research thesis required for the master's degree?
O Yes O No
6a. (Only if question 6 is answered no) Can a master's degree be earned by: (Check all that apply) Taking coursework only
Taking coursework and doing research without a required thesis Taking courses and writing a library thesis
7. Are there specific qualifying and/or comprehensive exams required for master's degree students?
O Yes O No
7a. (Only if question 7 is answered yes) Do qualifying and/or comprehensive exams required for masters degree students differ from those taken by Ph.D. degree candidates? O Yes O No
Does your department regularly admit students whose stated objective is obtaining a master's degree, not a
PhD degree?
O Yes O No
The following questions relate to students admitted specifically to your master's program (only if previous question is answered yes).
8. How many students are admitted annually for study in the master's program?
9. Among students admitted into your master's program, what percentage received their bachelor's degree in
the U.S. and what percentage received this degree outside of the U.S?
Domestic Foreign
10. Which of the following describes the goals of your master's program(s)?
10a. Preparation for working in industry:
O Yes O No
If yes, is it: (Please check all that apply):
A partnership with a specific employer Focused on a particular sector (e.g., polymers)
Other
If other, please
list:

10b. Te	acher training	
0	Yes	O No
	For in-service For pre-servic Other	teachers
	If other, please	
	describe:	
10c. Pr	eparation for more adva	anced study
0	Yes	O No
10d. Co	mbined BS/MS program	m
0	Yes	O No
-	er's degree program sp highest earned degree	pecifically designed to prepare students for employment with the
O Yes	O No	
11a. If y	es, please explain:	
12. Do you prov	ide support for your ma	aster's students in the form of:
	Teaching assistantship	os
	Research assistantship	DS .
	Other	
lf o	ther, please explain:	
13. Did the Chai	r receive this survey ar	nd approve the responses?
O Yes	O No	