

Introduction¹:

Welcome to the Penn Ph.D. Exit Survey for Academic Year 2019-2020.

As a recipient of the Ph.D. degree, your feedback is essential to us! Information gathered in this survey assists us in identifying potential areas for improvement of our doctoral programs. This survey is an opportunity for you to provide feedback concerning your experience as a Ph.D. student at Penn.

Thank you in advance for your participation!

Once you submit a section by hitting the "NEXT" button, your answers will be saved from that section, but you may go back to it by using the back button at the bottom of the page. You may also return to the survey at a later time by using the same link and logging in with your PennKey credentials.

Participation in this survey is completely voluntary. Feel free to answer as few or as many questions as you wish. With the exception of post graduate plans which will be shared with Penn's Office of Career Services, please be assured that all other responses will remain strictly confidential and no individually identifiable information will ever be reported. To increase the usefulness of the information collected in this survey, it may be linked to other University data. In addition, as part of an on-going study of graduate education in the United States, the University may share survey data with a group of leading research universities after removing all personal identifiers from these data.

The information collected by this survey is for administrative uses and does not constitute a report to the University of Pennsylvania. No action will be taken based on information provided by you or any other individual responding to this survey. To make a report, please contact one of the University resource offices or dial 215-898-HELP. If data from this survey are used for academic research, the same rules of confidentiality and reporting apply.

If you have any questions about the survey, please contact surveys@pobox.upenn.edu.

¹Embedded Data: Pennkey, Penn Email address, aaude_unique_ID

Overall Satisfaction:

Please rate your overall satisfaction with each of the following: [\[overallsat\]](#)

	Poor (1)	Fair (2)	Good (3)	Very Good (4)	Excellent (5)
Your academic experience at this university (satacad)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your student life experience at this university (satlife)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your overall experience at this university (satoverall)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Academic Support:

When you first enrolled as a doctoral student, did your program provide a formal orientation to explain the process of completing your doctoral degree? [\[orient\]](#)

- Yes, and I attended (1)
- Yes, but I did not attend (2)
- No (3)
- I don't remember (4)

Display This Question:

If When you first enrolled as a doctoral student, did your program provide a formal orientation = Yes, and I attended

How effective was this orientation in helping you to understand the process of completing your graduate degree? [orienteff]

- Very ineffective (1)
- Somewhat ineffective (2)
- Neither (3)
- Somewhat effective (4)
- Very effective (5)

Did your doctoral program provide you with a written set of expectations about academic requirements and expected progress? [expect]

- Yes (1)
- No (2)

Was there an early formal academic assessment or exam to review your overall academic progress? If so, when? [assmntyr]

- 1st year (1)
- 2nd year (2)
- 3rd year (3)
- 4th year or beyond (4)
- There was no early formal review, to my knowledge (5)

In what year of study did you complete your required course work for the Ph.D.? [fcrswork]

- 1st year (1)
- 2nd year (2)
- 3rd year (3)
- 4th year or beyond (4)

What was the best doctoral level course (lecture, seminar, etc.) that you took at Penn? [bcrs]

- Course Title (1) _____
- Instructor (2) _____
- Graduate Group (3) _____

In what year of study did you complete the Candidacy Exam (formerly known as the Proposal Defense)? [cexamyyear]

- 1st year (1)
- 2nd year (2)
- 3rd year (3)
- 4th year or beyond (4)
- I did not take a Candidacy Exam (5)

Was the Candidacy Exam a beneficial educational experience? [canexm]

- Not beneficial (1)
- Somewhat beneficial (2)
- Beneficial (3)
- Very beneficial (4)

Do you think the Candidacy Exam in its current form should be modified? [mcanexm]

- Yes (1)
- No (2)
- Don't know (3)

Display This Question:

If Do you think the Candidacy Exam in its current form should be modified? = Yes

Please explain how the Candidacy Exam should be modified. [ORHmod]

After being assigned a Dissertation Advisor, did you meet with this individual at least twice each ear, to establish expectations and review your progress? [revprgrs]

- Yes (1)
- No (2)

While working on your dissertation, did you prepare an Annual Dissertation Report summarizing your progress? [yrlydisrpt]

- Yes (1)
- No (2)

After being assigned a Dissertation Committee, did you meet with the body at least once annually? [meetyly]

- Yes (1)
- No (2)

How many faculty served on your Dissertation Committee? [numfac]

▼ 0 (1) ... 10 or more (11)

Once you completed coursework, passed the Candidacy Exam, and moved to the dissertation stage, did your program/dissertation committee provide a formal assessment of your academic progress at least annually? [\[assess\]](#)

- Yes (1)
- No (2)

How helpful was the advice you received from your dissertation/thesis advisor in each of these areas? [\[helpadv\]](#)

	Not at all helpful (1)	Not very helpful (2)	Somewhat helpful (3)	Very helpful (4)	N/A - I did not receive advice on this (9)
Selection of a dissertation topic (htopicadv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your dissertation research (hresearchadv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing and revising your dissertation (hwritingadv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academic career options (hacadadv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nonacademic career options (hnonacadadv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search for employment or training (hemployadv)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Was there another faculty member other than your advisor whom you considered to be a mentor (i.e., a faculty member who gave you advice about your education, career development, or other matters of concern to you as a graduate student)? **[mentor]**

- Yes (1)
- No (2)
- Not applicable (9)

Display This Question:
 If Was there another faculty member other than your advisor whom you considered to be a mentor = Yes

Was this faculty member in your program/department? **[mentordept]**

- Yes (1)
- No (2)

Display This Question:
 If Was there another faculty member other than your advisor whom you considered to be a mentor = Yes

How helpful was the advice you received from this faculty member? **[mentorhlp]**

	Not at all helpful (1)	Not very helpful (2)	Somewhat helpful (3)	Very helpful (4)
Selection of a dissertation topic (htopicmen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your dissertation research (hresearchmen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Writing and revising your dissertation (hwritingmen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academic career options (hacadmen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nonacademic career options (hnonacadmen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search for employment or training (hemploymentmen)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please rate the adequacy of support you were provided during your doctoral education and dissertation research in the following areas: [satisfy]

	Poor (1)	Fair (2)	Good (3)	Very good (4)	Excellent (5)	Not applicable (9)
Financial support (finance)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Computer resources/Information Technology (IT) (infotech)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal work space [e.g. desk, office] (space)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Library and electronic research resources (library)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Laboratory, clinical, studio, or other physical facilities (lab)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Rate the extent to which the following factors were an obstacle to your academic progress:

[obstcl]

	Not an obstacle (1)	A minor obstacle (2)	A major obstacle (3)	Not applicable (9)
Work/financial commitments (workcomm)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Family obligations (family)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Availability of faculty (availfac)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Program structure or requirements (progreq)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Course scheduling (coursesched)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Immigration laws and regulations (immigration)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, (please identify) (otherobst)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Financial Support:

How much have you borrowed to finance your doctoral education? [**borrow**]

- I have not borrowed to finance my doctoral education (0)
- \$1 to \$9,999 (1)
- \$10,000 to \$19,999 (2)
- \$20,000 to \$29,999 (3)
- \$30,000 to \$39,999 (4)
- \$40,000 to \$49,999 (5)
- Over \$50,000 (6)

Display This Question:

*If How much have you borrowed to finance your doctoral education? = \$1 to \$9,999
Or How much have you borrowed to finance your doctoral education? = \$10,000 to \$19,999
Or How much have you borrowed to finance your doctoral education? = \$20,000 to \$29,999
Or How much have you borrowed to finance your doctoral education? = \$30,000 to \$39,999
Or How much have you borrowed to finance your doctoral education? = \$40,000 to \$49,999
Or How much have you borrowed to finance your doctoral education? = Over \$50,000*

In which years of doctoral study did you borrow? Please mark all that apply. [**bryear**]

- 1st year (1)
- 2nd year (2)
- 3rd year (3)
- 4th year (4)
- 5th year (5)
- 6th year (6)
- 7th year (7)
- 8th year or beyond (8)

Additionally, do you have any debt related to your undergraduate education? [UGdebt]

- I have not borrowed to finance my undergraduate education (0)
- \$1 to \$9,999 (1)
- \$10,000 to \$19,999 (2)
- \$20,000 to \$29,999 (3)
- \$30,000 to \$39,999 (4)
- \$40,000 to \$49,999 (5)
- \$50,000 to \$59,999 (6)
- \$60,000 to \$69,999 (7)
- \$70,000 to \$79,999 (8)
- \$80,000 to \$89,999 (9)
- \$90,000 to \$99,999 (10)
- \$100,000 or more (11)

In which years did you receive financial support in each of the following categories? Please answer all instances that apply. [bryrtype]

	1st year (1)	2nd year (2)	3rd year (3)	4th year (4)	5th year (5)	6th year (6)	7th year (7)	8th or beyond (8)	Did not receive (9)
Teaching Assistant (TA) (ta)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Research Assistant (RA) or equivalent (ra)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
University or school fellowship (fellowship)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outside fellowship (ofellowship)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Foreign government (forgngov)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Corporate funds (corporate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (other)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

How familiar are you with the criteria used to allocate financial support? [cfincial]

- Not at all familiar (1)
- A little familiar (2)
- Familiar (3)
- Very familiar (4)

To the best of your knowledge, has financial support for students in your program been fairly allocated? [finfair]

- No (1)
- Partly (2)
- Mostly (3)
- Yes (4)

Career Services:

During which year(s) of your doctoral program did you use Career Services, (i.e. met with a career advisor, attend a Career Services event or use other resources such as the website)? Indicate all that apply. [csuse]

- 1st year (1)
- 2nd year (2)
- 3rd year (3)
- 4th year (4)
- 5th year (5)
- 6th year or beyond (6)

How many Career Services programs on academic careers did you attend? [csprg]

- None (0)
- One or two (1)
- Three or four (2)
- Five or more (3)

Display This Question:

If How many Career Services programs on academic careers did you attend? = One or two
Or How many Career Services programs on academic careers did you attend? = Three or four
Or How many Career Services programs on academic careers did you attend? = Five or more

Please rate the helpfulness of the programs on academic careers. [csprghlp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

How many Career Services programs on non-academic employment did you attend? [csprg1]

- None (0)
- One or two (1)
- Three or four (2)
- Five or more (3)

Display This Question:

If How many Career Services programs on non-academic employment did you attend? = One or two
Or How many Career Services programs on non-academic employment did you attend? = Three or four
Or How many Career Services programs on non-academic employment did you attend? = Five or more

Please rate helpfulness of the programs on non-academic employment. [csprg1hlp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

How often did you use Career Services counseling (e.g. individual counseling sessions and/or email contact with counselors)? [csoth]

- Never (0)
- Occasionally (1)
- Sometimes (2)
- Frequently (3)

Display This Question:

*If How often did you use Career Services counseling = Occasionally
Or How often did you use Career Services counseling = Sometimes
Or How often did you use Career Services counseling = Frequently*

Please rate helpfulness of Career Services counseling. [csothlp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

How often did you use the Academic Job Search Handbook? [csoth1]

- Never (0)
- Occasionally (1)
- Sometimes (2)
- Frequently (3)

Display This Question:

If How often did you use the Academic Job Search Handbook? = Occasionally
Or How often did you use the Academic Job Search Handbook? = Sometimes
Or How often did you use the Academic Job Search Handbook? = Frequently

Please rate helpfulness of the Academic Job Search Handbook. [csoth1hlp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

How often did you use resources for doctoral students on the Career Services website? [csoth2]

- Never (0)
- Occasionally (1)
- Sometimes (2)
- Frequently (3)

Display This Question:

If How often did you use resources for doctoral students on the Career Services website? = Occasionally
Or How often did you use resources for doctoral students on the Career Services website? = Sometimes
Or How often did you use resources for doctoral students on the Career Services website? = Frequently

Please rate helpfulness of the resources for doctoral students on the Career Services website. [csoth2hlp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

How often did you use Career Services email listservs (e.g. job/fellowship/internship announcements, event announcements)? [csoth3]

- Never (0)
- Occasionally (1)
- Sometimes (2)
- Frequently (3)

Display This Question:

If How often did you use Career Services email listservs = Occasionally
Or How often did you use Career Services email listservs = Sometimes
Or How often did you use Career Services email listservs = Frequently

Please rate helpfulness of the Career Services email listservs. [csoth3hlp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

Please provide any feedback to Career Services you believe would help it to better serve future students. [cs_txt]

Graduate Student Center:

Have you attended activities and/or used the services of the Graduate Student Center? [actgscntr]

- Yes (1)
- No (2)

Display This Question:
If Have you attended activities and/or used the services of the Graduate Student Center? = Yes

Please provide any feedback to the Graduate Student Center that you believe would help it to better serve future students. [orfgcntr]

Teaching and Research Experience:

Were there organized seminars, colloquia, or conferences sponsored by your Graduate Group at which graduate students presented their research? [orgsem]

- Yes (1)
- No (2)

How many research or scholarly presentations (including poster presentations) did you make during your graduate studies? [numpresent]

On campus (not including presentations given in class or in regularly scheduled not-for-credit lab meetings) [presenton]	▼ 0 (1) ... 99 (100)
Away from campus (regional, national or international) [presentoff]	▼ 0 (1) ... 99 (100)

If you made a presentation away from campus, did you receive funds for travel from any of the following sources? Check all that apply. [tefndorg]

- Your program (1)
- A research grant (2)
- GAPSA (3)
- Other institutional funds (4)

Based on research conducted while you were a doctoral student, how many scholarly articles, books, or book chapters have you authored or co-authored that... [numbooks]

Have been published or accepted for publication (scholworks)	▼ 0 (1) ... 99 (100)
Are currently under review (review)	▼ 0 (1) ... 99 (100)

Were you a Teaching Assistant (TA) at any time during your doctoral studies? [ta]

- Yes (1)
- No (2)

Display This Question:
If Were you a Teaching Assistant (TA) at any time during your doctoral studies? = Yes

How helpful was this experience with respect to your professional development? [tahelp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

Display This Question:

If Were you a Teaching Assistant (TA) at any time during your doctoral studies? = Yes

How many semesters did you... [tegtayr]

Teach as a Teaching Assistant (TA) (tegtayr_1)	▼ 0 (1) ... 10 or more (11)
Teach as a lecturer (with primary responsibility for the class) (tegtayr_2)	▼ 0 (1) ... 10 or more (11)

Display This Question:

If Were you a Teaching Assistant (TA) at any time during your doctoral studies? = Yes

Did you receive training in instructional methods at any time during your graduate studies? [train]

- Yes (1)
- No (2)

Display This Question:

If Did you receive training in instructional methods at any time during your graduate studies? = Yes

What types of teaching preparation were provided? Please mark all that apply. [tetype]

- Department level teaching workshop or orientation (1)
- School level teaching workshop or orientation (2)
- Other, please specify: (3) _____

Display This Question:

If What types of teaching preparation were provided? = Department level teaching workshop or orientation

How helpful was the DEPARTMENT level training? [teprphdept]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

Display This Question:

If What types of teaching preparation were provided? = School level teaching workshop or orientation

How helpful was the SCHOOL level training? [teprphschl]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

Display This Question:

If Were you a Teaching Assistant (TA) at any time during your doctoral studies? = Yes

Which of the following teaching experiences have you had while a doctoral student at Penn?

Check all that apply. [tetatype]

- I was a grader for a course but had little or no student contact (1)
- I was a grader for a course and also met with students during office hours (2)
- I led review sessions for groups of students (3)
- I led semester-long labs (4)
- I led semester-long discussion sections (5)
- I taught a section of a course as a teaching assistant (6)
- I taught or co-taught an independent seminar as a teaching assistant (7)
- I co-taught a course (8)
- I held office hours, meeting with students individually (9)

Were you a Research Assistant (RA) or Research Fellow at any time during your graduate studies?
[ra]

- Yes (1)
- No (2)

Display This Question:

If Were you a Research Assistant (RA) or Research Fellow at any time during your graduate studies? = Yes

How helpful was this experience with respect to your professional development? [rahelp]

- Not at all helpful (1)
- Not very helpful (2)
- Somewhat helpful (3)
- Very helpful (4)

Display This Question:

If Were you a Research Assistant (RA) or Research Fellow at any time during your graduate studies? = Yes

How many semesters were you... [terayr]

A Research Assistant (RA) (terayr_1)	▼ 1 (1) ... 10 or more (10)
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Overall Experience:

Please rate the following aspects of your doctoral program: **[quality]**

	Poor (1)	Fair (2)	Good (3)	Very Good (4)	Excellent (5)
Quality of the graduate curriculum (curriculum)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality of graduate level teaching by faculty (teaching)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality of academic advising and guidance (advising)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preparation for candidacy/comprehensive examinations (coursework, seminars, labs, reading courses, etc.) (candidacy)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The opportunity to collaborate across disciplines (interdisc)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Assistance in finding employment (employment)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overall program quality (progqual)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you were to start your graduate career again, would you pursue the same field of study again?

[samefield]

- Definitely not (1)
- Probably not (2)
- Maybe (3)
- Probably yes (4)
- Definitely yes (5)

If you were to start your graduate career again, would you recommend Penn to someone considering your field of study? [recommend]

- Definitely not (1)
- Probably not (2)
- Maybe (3)
- Probably yes (4)
- Definitely yes (5)

If you were to start your graduate career over, would you select Penn? [sameuniv]

- Definitely not (1)
- Probably not (2)
- Maybe (3)
- Probably yes (4)
- Definitely yes (5)

Display This Question:

If you were to start your graduate career over, would you select Penn? = Probably yes

Or If you were to start your graduate career over, would you select Penn? = Definitely yes

This decision is based primarily upon: [decision]

- Graduate group experience (1)
- Penn experience (2)
- Current employment opportunities in your field (3)
- Prospects of future opportunities and earnings (4)
- New interest in some other fields (5)
- Other (6)

Display This Question:

If you were to start your graduate career over, would you select Penn? = Definitely not

Or If you were to start your graduate career over, would you select Penn? = Probably not

This decision is based primarily upon: [decision_no]

- Graduate group experience (1)
- Penn experience (2)
- Current employment opportunities in your field (3)
- Prospects of future opportunities and earnings (4)
- New interest in some other fields (5)
- Other (6)

Postgraduate Plans:

What is the status of your postgraduate plans in the next year? Mark one. [pdocstat]

- Returning to, or continuing in, predoctoral employment (1)
- Have signed contract or made definite commitment for a "postdoc" or other work (2)
- Negotiating with one or more specific organizations (3)
- Seeking position but have no specific prospects (4)
- Other full-time degree program (e.g., MD, DDS, JD, MBA, etc.) (5)
- Do not plan to work or study (e.g., family commitments, etc.) (6)
- Other - Specify: (7) _____

Skip To: End of Block If What is the status of your postgraduate plans in the next year? Mark one. = Seeking position but have no specific prospects

Skip To: End of Block If What is the status of your postgraduate plans in the next year? Mark one. = Other full-time degree program (e.g., MD, DDS, JD, MBA, etc.)

Skip To: End of Block If What is the status of your postgraduate plans in the next year? Mark one. = Do not plan to work or study (e.g., family commitments, etc.)

Skip To: End of Block If What is the status of your postgraduate plans in the next year? Mark one. = Other - Specify:

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Which best describes the position you have (or plan to have) for next year? [pgplan2018]

- Employed by an organization (full-time or part-time) (1)
- Self-employed (2)
- Other (3) _____

Display This Question:

If Which best describes the position you have (or plan to have) for next year? = Self-employed

Please tell us more about your self-employment. Are you [\[selfempdetail\]](#)

- An established business owner (1)
- A start-up founder (2)
- A freelancer, consultant (3)

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

And If

Which best describes the position you have (or plan to have) for next year? = Employed by an organization (full-time or part-time)

Or Which best describes the position you have (or plan to have) for next year? = Other

How would you characterize the type of employer you will be (or plan to be) working for next year? [\[emptytype\]](#)

- Academic institution or research institution (1)
- Industry/for-profit organization (2)
- Non-profit, non-government organization (3)
- Government, elected or civil service (4)

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Do you expect to be conducting research in the same subject area as your doctoral degree as part of your employment? [\[same_field\]](#)

- Yes (1)
- No (2)

Display This Question:

If How would you characterize the type of employer you will be (or plan to be) working for next year? = Academic institution or research institution

Or Do you expect to be conducting research in the same subject area as your doctoral degree = Yes

And If

Which best describes the position you have (or plan to have) for next year? != Self-employed is Not selected

What type of appointment do you have (or plan to have)? [appointmenttype]

- Tenure-track faculty appointment (1)
- Non-tenure track faculty appointment (2)
- Post-doctoral appointment (3)
- Administrative (4)
- Other (5) _____

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

What best describes the industry you will work in the next year? [industry]

Industry Group (1)

Industry (2)

▼ See [Appendix](#) for list of Industries

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Or Which best describes the position you have (or plan to have) for next year? = Other

And If

Which best describes the position you have (or plan to have) for next year? != Self-employed

How would you characterize your principal occupation? [occupation]

Occupation Group (1)

Occupation (2)

Research Field (for Scientists only) (3)

▼ See [Appendix](#) for list of Occupations

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

What is your job title? (Examples: English Professor; Market Analyst; High School Teacher; Postdoctoral Fellow) [job_title]

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Employer Name [emp_name]

Display This Question:

If What is the status of your postgraduate plans in the next year? Mark one. = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? Mark one. = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? Mark one. = Negotiating with one or more specific organizations

Date you accepted the job offer (mm/dd/yyyy) [jofferdate]

Display This Question:

If What is the status of your postgraduate plans in the next year? Mark one. = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? Mark one. = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? Mark one. = Negotiating with one or more specific organizations

Starting salary (in US dollar) [ssalry]

\$ _____

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment

Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work

Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Will you primarily be working in the U.S.? [in_us]

Yes (1)

No (2)

Display This Question:

If Will you primarily be working in the U.S.? = Yes

State of employment [State]

Display This Question:

If Will you primarily be working in the U.S.? = No

Country of employment [country]

Display This Question:

If Will you primarily be working in the U.S.? = Yes
Or Will you primarily be working in the U.S.? = No

City of employment

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment
Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work
Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Is your position in the field of your academic training? [fldacdtrn]

- Yes (1)
- No (2)

Display This Question:

If What is the status of your postgraduate plans in the next year? = Returning to, or continuing in, predoctoral employment
Or What is the status of your postgraduate plans in the next year? = Have signed contract or made definite commitment for a "postdoc" or other work
Or What is the status of your postgraduate plans in the next year? = Negotiating with one or more specific organizations

Do you feel this position is consistent with your long-term professional goals? [profgoal]

- Yes (1)
- No (2)

Please indicate below if you allow Penn to share your career placement data with prospective and current doctoral students. If you agree to do so, your name will not be associated with this information and no other individually identifiable information collected in this survey will be shared. [pg_concent]

- The name of my employer and my title may be shared (1)
- The name of my employer and my title may not be shared (2)

Ultimate Career Goal:

Thinking about the future, which best describes the position that is your ultimate career goal?

[ultempl1]

- Employed by an organization (full-time or part-time) (1)
- Self-employed (2)
- Other (3) _____

What best describes the industry you will work in the next year? [ult_industry]

Industry Group (1)

Industry (2)

▼ See [Appendix](#) for list of Industries

How would you characterize your principal occupation? [ult_occupation]

Occupation Group (1)

Occupation (2)

Research Field (for Scientists only) (3)

▼ See [Appendix](#) for list of Occupations

As part of your ultimate career goal, do you plan to conduct research in the same subject area as your doctoral degree? [ultempl4]

- Yes (1)
- No (2)

COVID19

We are interested in gaining a better understanding of the ways the COVID pandemic has affected our recent graduates. [cv19affect]

What impact, if any, has the pandemic had on your academic progress? [cv19prg]

What impact, if any, has the pandemic had on your search for full-time, post-graduation employment? [cv19impact] _____

Penn Community:

We would like to gather your input on a variety of aspects related to the broader Penn Community. As a means of assessing Penn's culture and climate, all levels of students as well as faculty are being asked to answer the questions below.

How often have you had conversations with Penn colleagues (students and post docs) who differ from you...[\[Pcdivrs\]](#)

	Never or rarely (1)	Occasionally (2)	Often (3)	Very often (4)	Don't know (9)
in academic discipline (i.e. other graduate programs) (talkadisc)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in race or ethnicity (talkrace)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in nationality (talknat)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in sexual orientation (talksex)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in religious beliefs (talkrel)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in political beliefs (talkpol)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
in economic background (talkecon)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Indicate how strongly you agree or disagree with each of the following statements: [Pcexp]

	Strongly disagree (1)	Disagree (2)	Agree (3)	Strongly agree (4)	Don't know (9)
I feel free to express my political views on campus (fexprs11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel free to express my religious beliefs on campus (fexprs21)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Students are respected here regardless of economic or social class (fexprs31)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Students are respected here regardless of race or ethnicity (fexprs41)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Students are respected here regardless of sexual orientation (fexprs51)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Students are respected here regardless of gender (fexprs61)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What is your impression of the Penn Community? [Pcsafe]

	Not at all (1)	A little (2)	Moderately (3)	Very (4)
Safe (ipcmt1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Welcoming (ipcmt2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Competitive (ipcmt3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Diverse (ipcmt4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

To what extent do you agree or disagree with each of the following statements? [Pcclm]

	Strongly disagree (1)	Disagree (2)	Neither (3)	Agree (4)	Strongly agree (5)
Students in my program are treated with respect by faculty (respect)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The intellectual climate of my program is positive (intclimate)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The social climate of my program is positive (socclimate)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Students in my program are collegial (collegial)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How often do you believe cheating, including plagiarism, happens in your program? [sa1]

- Never (1)
- Sometimes (2)
- Often (3)
- Very often (4)

How problematic is sexual assault or sexual misconduct at Penn? [sa2]

- Not at all (1)
- A little (2)
- Somewhat (3)
- Very (4)
- Extremely (5)

How knowledgeable are you about...[sa4]

	Not at all (1)	A little (2)	Somewhat (3)	Very (4)	Extremely (5)
how sexual assault and sexual misconduct are defined at Penn? (Pcclm_1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
where to get help at Penn if you or a friend experienced sexual assault or sexual misconduct? (Pcclm_2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
where to make a report of sexual assault or sexual misconduct at Penn? (Pcclm_3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
what happens when a student reports an incident of sexual assault or sexual misconduct at Penn? (Pcclm_4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are you familiar with the following resources for those affected by sexual assault or sexual misconduct? Mark all that apply. [sa3]

- Division of Public Safety/Special Services (DPS) (1)
- Counseling and Psychological Services (CAPS) (2)
- Student Health Service (SHS) (3)
- Student Intervention Services (SIS) (4)
- Penn Women's Center (PWC) (5)
- Lesbian Gay Bisexual Transgender Center (LGBT Center) (6)
- Graduate Student Center (GSC) (7)
- International Student and Scholar Services (ISSS) (8)
- Office of Affirmative Action and Equal Opportunity Programs (9)
- Title IX Coordinator (10)
- Office of Student Conduct (OSC) (11)
- Office of Sexual Violence Prevention and Education (12)
- Sexual Violence Investigative Officer (13)
- Office of the Chaplain (14)
- None of the Above (15)

Display This Question:

If Are you familiar with the following resources for those affected by sexual assault or sexual misconduct Selected Choices Count Is Greater Than or Equal to 1

And Are you familiar with the following resources for those affected by sexual assault or sexual misconduct NOT= None of the Above

Carry Forward Selected Choices from "Are you familiar with the following resources for those affected by sexual assault or sexual misconduct? Mark all that apply."

If you or someone you know were to be affected by sexual assault or sexual misconduct, mark any of the following resources that you would be **likely to use**. [sa3a]

- Division of Public Safety/Special Services (DPS) (1)
- Counseling and Psychological Services (CAPS) (2)
- Student Health Service (SHS) (3)
- Student Intervention Services (SIS) (4)
- Penn Women's Center (PWC) (5)
- Lesbian Gay Bisexual Transgender Center (LGBT Center) (6)
- Graduate Student Center (GSC) (7)
- International Student and Scholar Services (ISSS) (8)
- Office of Affirmative Action and Equal Opportunity Programs (9)
- Title IX Coordinator (10)
- Office of Student Conduct (OSC) (11)
- Office of Sexual Violence Prevention and Education (12)
- Sexual Violence Investigative Officer (13)
- Office of the Chaplain (14)
- None of the Above (15)

Demographics:

The following questions are OPTIONAL, but your answers are very important to Penn as we seek to foster a welcoming and diverse community. We again assure you that your individual responses will be kept strictly confidential, only aggregate information will be reported. If you find a question that you don't want to answer, please just skip it and move on.

Your Gender: [sex]

- Male (1)
- Female (2)
- I identify as: (3) _____

Your Orientation: [sexorient]

- Straight (1)
- Gay/Lesbian (2)
- Bisexual (3)
- Queer (4)
- Unsure (5)
- Unsure (6)
- I identify as: (7) _____

Are you currently married or living with a long-term partner? [marlsts]

- Yes (1)
- No (2)

Display This Question:

If Are you currently married or living with a long-term partner? = Yes

Does your spouse/partner work outside the home? [spouseworkout]

- Yes (1)
- No (2)

Display This Question:

If Are you currently married or living with a long-term partner? = Yes

Is your partner also a graduate student? [spousegrad]

- Yes (1)
- No (2)

Do you have any children? [child]

- Yes (1)
- No (2)

Display This Question:

If Do you have any children? = Yes

Indicate the number of children you have in the following age ranges. [childnum]

0-2 years (5)	▼ 1 (1) ... 10 or more (10)
3-5 years (6)	▼ 1 (1) ... 10 or more (10)
6-12 years (7)	▼ 1 (1) ... 10 or more (10)
13 and over (8)	▼ 1 (1) ... 10 or more (10)

Which of the following best describes your social class when you were growing up? [sestatus]

- Low-income or poor (1)
- Working-class (2)
- Middle-class (3)
- Upper-middle or professional-middle (4)
- Wealthy (5)

What is the highest level of education completed by your parents? [parent alt]

	Select Parent	Parent's education
(parent_1)	▼ Mother (1 ... Other (3)	▼ No high school diploma (1 ... Unsure/Don't Know (7)
(parent_2)	▼ Mother (1 ... Other (3)	▼ No high school diploma (1 ... Unsure/Don't Know (7)

Do you have any other comments concerning your Graduate Group? [cmt]

What was your most valuable academic experience during your doctoral studies at Penn? [cmt1]

If you could change one thing at Penn, what would it be? [cmt2]

Please feel free to share anything else that you feel is important for Penn to know about your doctoral program experience. [finalcmt]

This is the end of the survey. Once you submit the survey, you will be forwarded to a page to enter your Penn email address to receive a confirmation that you successfully completed the Penn Ph.D. Exit Survey. [submit]

Appendix

List of Industries

Industry Group (first level of drilldown)	Industry (second level of drilldown)	NAICS Code
Arts, Entertainment, and Recreation	Performing Arts, Spectator Sports, and Related Industries	711
	Museums, Historical Sites, and Similar Institutions	712
	Amusement, Gambling, and Recreation Industries	713
Education	4-year college or university	6113
	Medical school or other professional school	6113
	University-affiliated research institute	6113
	Community college	6119
	K-12 school or school system, public or private	6119
	Other educational institutions	6119
Energy	Oil and Gas Extraction	211
	Mining (except Oil and Gas)	212
	Support Activities for Mining	213
	Utilities	221
Finance and Insurance	Monetary Authorities-Central Bank	521
	Credit Intermediation and Related Activities	522
	Securities, Commodity Contracts, and Other Financial Investments and Related Activities	523
	Insurance Carriers and Related Activities	524
	Funds, Trusts, and Other Financial Vehicles	525
Manufacturing	Biotech, Pharmaceutical, or Chem. Manufacturing	325
	Computer and Electronic Product Manufacturing (including medical equipment)	334
	Motor Vehicle and related Manufacturing	336
	Other manufacturing	33
Non-profit and membership organizations	Religious Organizations	8131
	Grantmaking Organization or Foundation	8132
	Social Advocacy Organizations	8133
	Civic and Social Organizations	8134
	Business, Professional, Labor, Political, and Similar Organizations	8139
Public Administration(Government)	Executive, Legislative, and Other General Government Support	921
	Justice, Public Order, and Safety Activities	922
	Human Resource Programs (Education, Public Health)	923
	Administration of Environmental Quality Programs	924
	Administration of Housing Programs, Urban Planning, and Community Development	925
	Economic Programs	926
	Space Research and Technology	927
	National Security	92811
	International Affairs (World Bank, IMF, Peace Corps...)	92812
Publishing, Broadcasting, and Library	Library	51912
	Publishing Industries (except Internet)	511
	Motion Picture and Sound Recording Industries	512
	Broadcasting (except Internet)	515
	Telecommunications	517
	Legal Services	5411

Industry Group (first level of drilldown)	Industry (second level of drilldown)	NAICS Code
Research, Consulting, and legal services	Accounting Services	5412
	Architectural, Engineering Services	5413
	Design services (interior, industrial, graphic)	5414
	Computer Systems Design and Related Services	5415
	Consulting (including Management, Environmental, Economic, Physics, Biological, Chemical, Energy consulting)	5416
	Scientific Research (including Social research in humanities)	5417
	Other Professional, Scientific, and Technical Services	5419
Technology	Computer and Electronic Product Manufacturing	334
	Data Processing, Hosting, and Related Services	518
	Software publishing	511
	Internet publishing and broadcasting	519
	Web search portals, social networking sites	519
Other	Health Care	62
	Agriculture, Forestry, Fishing and Hunting	11
	Construction	23
	Wholesale Trade	42
	Retail Trade	44
	Transportation and Warehousing	48-49
	Real Estate and Rental and Leasing	53
	Management of Companies and Enterprises	55
	Administrative and Support and Waste Management and Remediation Services	56
	Accommodation and Food Services	72

List of Occupations

Occupation Group (first level of drilldown)	Occupation (second level of drilldown)	Research field (third level of drilldown)	SOC Code
Architecture and Engineering Occupations	Architects		17-1000
	Aerospace Engineers		17-2010
	Biomedical Engineers		17-2030
	Chemical Engineers		17-2040
	Civil Engineers		17-2050
	Computer Hardware Engineers		17-2060
	Electrical and Electronics Engineers		17-2070
	Environmental Engineers		17-2080
	Mechanical Engineers		17-2140
	Other Architecture and Engineering Occupations		17-9000
Arts, Design, Entertainment, Sports, and Media Occupations	Artists		27-1010
	Designers		27-1020
	Actors, Producers, and Directors		27-2010
	Dancers and Choreographers		27-2030
	Musicians, Singers, and Related Workers		27-2040
	Writers and Editors		27-3040
	Other		27-9000
Computer and Mathematical Occupations	Computer and Information Research Scientists		15-1110
	Software Developers and Programmers		15-1130
	Database and Systems Administrators and Network Architects		15-1140
	Actuaries		15-2010
	Mathematicians		15-2020
	Operations Research Analysts		15-2030
	Statisticians		15-2040
	Other Computer and Mathematical Occupations		15-9000
Education, Training, and Library Occupations	College/University tenured faculty member		25-0000
	College/University tenured track faculty member		25-0000
	College/University other faculty member or instructor		25-0000
	Other teacher (preschool, K-12, adult education)		25-0000
	Dean, Department chair		11-9032
	Researcher (non-teaching)		25-0000
	Librarian, Curator, or Archivist		25-4000
	Other educational occupation		25-0000
Finance Professional	Accountants and Auditors		13-2010
	Financial Analyst		13-2051
	Financial Advisor/ Consultant		13-2052
	Investment banker, Stock broker, Securities Trader		41-3031
	Quantitative Analyst (Trader, Research, Engineer, Developer)		13-2099
	Other Financial Occupation		13-9000
Healthcare Practitioners	Physicians and Surgeons		29-1060
	Dentists		29-1020
	Pharmacists		29-1050
	Veterinarians		29-1130
	Other Healthcare Practitioners		29-9000
Legal Occupations	Lawyers and Judicial Law Clerks		23-1010
	Judges, Magistrates, and Other Judicial Workers		23-1020
	Other Legal Occupations		23-9000
Management Occupations	Chief Executives, General Managers		11-1010
	Legislators		11-1031
	Public Relations and Fundraising Managers		11-2030
	Computer and Information Systems Managers		11-3020
	Financial Managers		11-3030
	Architectural and Engineering Managers		11-9040

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[Appendix](#)

Penn Ph.D. Exit Survey 2019-2020

University of Pennsylvania

	Medical and Health Services Managers		11-9110
	Natural Sciences Managers		11-9120
	Investment Fund manager		11-9199
	Other Management Occupations		11-9000
Scientists, Social Scientists	Life Scientists	Agricultural and Food Scientists	19-1010
		Biological Scientists	19-1020
		Conservation Scientists and Foresters	19-1030
		Medical Scientists	19-1040
		Other Life Scientists	19-1090
	Physical Scientists	Astronomers and Physicists	19-2010
		Atmospheric and Space Scientists	19-2020
		Chemists and Materials Scientists	19-2030
		Environmental Scientists and Geoscientists	19-2040
		Other Physical Scientists	19-2090
	Social Scientists and Related Occupations	Economists	19-3010
		Psychologists	19-3030
		Sociologists	19-3040
		Urban and Regional Planners	19-3050
		Anthropologists and Archeologists	19-3091
		Geographers	19-3092
		Historians	19-3093
		Political Scientists	19-3094
Other Social Scientists	19-3099		
Other Occupations	Community and Social Service Occupations		21-0000
	Law Enforcement Occupations		33-0000
	Sales and Related Occupations		41-0000
	Construction and Extraction Occupations		47-0000
	Production Occupations		51-0000
	Transportation and Material Moving Occupations		53-0000
	Military Specific Occupations		55-0000
Other Occupation, Not specified elsewhere		99-0000	