Welcome to the Penn Ph.D. Exit Survey for Academic Year 2021-2022.

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.

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1Embedded Data: Pennkey, Penn Email address, aaude_unique_ID
Overall Satisfaction:

Please rate your overall satisfaction with each of the following:

<table>
<thead>
<tr>
<th></th>
<th>Poor (1)</th>
<th>Fair (2)</th>
<th>Good (3)</th>
<th>Very Good (4)</th>
<th>Excellent (5)</th>
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</thead>
<tbody>
<tr>
<td>Your academic experience at this university (satacad)</td>
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<td>Your student life experience at this university (satlife)</td>
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<td>Your overall experience at this university (satoverall)</td>
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</tbody>
</table>

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)
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? [assmnty]

- 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)? [cexamyear]

- 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]

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

<table>
<thead>
<tr>
<th>Optimization of a dissertation topic (htopicmen)</th>
<th>Not at all helpful (1)</th>
<th>Not very helpful (2)</th>
<th>Somewhat helpful (3)</th>
<th>Very helpful (4)</th>
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</thead>
<tbody>
<tr>
<td>Your dissertation research (hresearchmen)</td>
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<td>Writing and revising your dissertation (hwritingmen)</td>
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<td>Academic career options (hacadmen)</td>
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<td>Nonacademic career options (hnonacadmen)</td>
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<td>Search for employment or training (hemploymen)</td>
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</table>
Please rate the adequacy of support you were provided during your doctoral education and dissertation research in the following areas: [satisfy]

<table>
<thead>
<tr>
<th>Area</th>
<th>Poor (1)</th>
<th>Fair (2)</th>
<th>Good (3)</th>
<th>Very good (4)</th>
<th>Excellent (5)</th>
<th>Not applicable (9)</th>
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<tbody>
<tr>
<td>Financial support (finance)</td>
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<td>Computer resources/Information Technology (IT) (infotech)</td>
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<td>Personal work space [e.g. desk, office] (space)</td>
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<td>Library and electronic research resources (library)</td>
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<td>Laboratory, clinical, studio, or other physical facilities (lab)</td>
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</tbody>
</table>
Rate the extent to which the following factors were an obstacle to your academic progress:

<table>
<thead>
<tr>
<th>Factor</th>
<th>Not an obstacle (1)</th>
<th>A minor obstacle (2)</th>
<th>A major obstacle (3)</th>
<th>Not applicable (9)</th>
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<tbody>
<tr>
<td>Work/financial commitments (workcomm)</td>
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<td>Family obligations (family)</td>
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<td>Availability of faculty (availfac)</td>
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<td>Program structure or requirements (progresq)</td>
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<td>Course scheduling (coursesched)</td>
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<td>Immigration laws and regulations (immigration)</td>
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<tr>
<td>Other, (please identify) (otherobst)</td>
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</table>
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]

<table>
<thead>
<tr>
<th>Category</th>
<th>1st year (1)</th>
<th>2nd year (2)</th>
<th>3rd year (3)</th>
<th>4th year (4)</th>
<th>5th year (5)</th>
<th>6th year (6)</th>
<th>7th year (7)</th>
<th>8th or beyond (8)</th>
<th>Did not receive (9)</th>
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<tbody>
<tr>
<td>Teaching Assistant (TA) (ta)</td>
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<td>Research Assistant (RA) or equivalent (ra)</td>
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<td>University or school fellowship (fellship)</td>
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<td>Foreign government (forgngov)</td>
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<td>Corporate funds (corporate)</td>
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<td>Other (other)</td>
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</table>

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

- [ ] 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:

[csuse] Have you attended activities and/or used the services of the Career Services

- Yes (1)
- No (2)

Display This Question:

If Have you attended activities and/or used the services of the Career Services = Yes

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

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...

<table>
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<th></th>
<th>▼ 0 (1) ... 99 (100)</th>
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<tbody>
<tr>
<td>Have been published</td>
<td>(scholworks)</td>
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<td>or accepted for</td>
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<tr>
<td>publication</td>
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<tr>
<td>Are currently under</td>
<td>(review)</td>
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<tr>
<td>review</td>
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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... [teryr]

- A Research Assistant (RA) (teryr_1)
  ▼ 1 (1) ... 10 or more (10)
## Overall Experience:

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

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

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)
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) ________________________________________________
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? [emptype]
- 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]

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 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? [ultemp1]

- 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? [ultemp4]

- 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...[Pcdiivrs]

<table>
<thead>
<tr>
<th></th>
<th>Never or rarely (1)</th>
<th>Occasionally (2)</th>
<th>Often (3)</th>
<th>Very often (4)</th>
<th>Don’t know (9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>in academic discipline (i.e. other graduate programs) (talkadisc)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in race or ethnicity (talkrace)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in nationality (talknat)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in sexual orientation (talksex)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in religious beliefs (talkrel)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>in political beliefs (talkpol)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>in economic background (talkecon)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Indicate how strongly you agree or disagree with each of the following statements:

<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly disagree (1)</th>
<th>Disagree (2)</th>
<th>Agree (3)</th>
<th>Strongly agree (4)</th>
<th>Don’t know (9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>I feel free to express my political views on campus (frexprs11)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>I feel free to express my religious beliefs on campus (frexprs21)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Students are respected here regardless of economic or social class (frexprs31)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Students are respected here regardless of race or ethnicity (frexprs41)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Students are respected here regardless of sexual orientation (frexprs51)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Students are respected here regardless of gender (frexprs61)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>
What is your impression of the Penn Community? [Pcsafe]

<table>
<thead>
<tr>
<th></th>
<th>Not at all (1)</th>
<th>A little (2)</th>
<th>Moderately (3)</th>
<th>Very (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe (pcmt1)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Welcoming (pcmt2)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Competitive (pcmt3)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Diverse (pcmt4)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Students in my program are treated with respect by faculty (respect)</th>
<th>Strongly disagree (1)</th>
<th>Disagree (2)</th>
<th>Neither (3)</th>
<th>Agree (4)</th>
<th>Strongly agree (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The intellectual climate of my program is positive (intclimate)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>The social climate of my program is positive (socclimate)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Students in my program are collegial (collegial)</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
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]

<table>
<thead>
<tr>
<th>How sexual assault and sexual misconduct are defined at Penn? (Pcclm_1)</th>
<th>Not at all (1)</th>
<th>A little (2)</th>
<th>Somewhat (3)</th>
<th>Very (4)</th>
<th>Extremely (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Where to get help at Penn if you or a friend experienced sexual assault or sexual misconduct? (Pcclm_2)</th>
<th>Not at all (1)</th>
<th>A little (2)</th>
<th>Somewhat (3)</th>
<th>Very (4)</th>
<th>Extremely (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Where to make a report of sexual assault or sexual misconduct at Penn? (Pcclm_3)</th>
<th>Not at all (1)</th>
<th>A little (2)</th>
<th>Somewhat (3)</th>
<th>Very (4)</th>
<th>Extremely (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>What happens when a student reports an incident of sexual assault or sexual misconduct at Penn? (Pcclm_4)</th>
<th>Not at all (1)</th>
<th>A little (2)</th>
<th>Somewhat (3)</th>
<th>Very (4)</th>
<th>Extremely (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
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)
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) ________________________________________________

Do you have any of the following disabilities or medical conditions? Mark all that apply [DISMEDICAL]

- Learning Disability or ADHD (1)
- Sensory, chronic medical or physical disability (2)
- Chronic mental health condition (3)
- Other disability or chronic medical condition (please specify) (4)
- None of the above (5)
- Yes, but prefer not to specify (6)

When you were in college, did you consider yourself a First-Generation college student? [FIRSTGEN]

- Yes (1)
- No (2)
- Don’t know (3)
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 dependent 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]

<table>
<thead>
<tr>
<th>Age Range</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2 years (5)</td>
<td>▼ 1 (1) ... 10 or more (10)</td>
</tr>
<tr>
<td>3-5 years (6)</td>
<td>▼ 1 (1) ... 10 or more (10)</td>
</tr>
<tr>
<td>6-12 years (7)</td>
<td>▼ 1 (1) ... 10 or more (10)</td>
</tr>
<tr>
<td>13 and over (8)</td>
<td>▼ 1 (1) ... 10 or more (10)</td>
</tr>
</tbody>
</table>
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)

Do/did any of your parents... [PARENTEDU]

- Attend college? (1)
- Have a Bachelor’s degree? (2)
- Have a graduate or professional degree (beyond the Bachelor’s)? (3)

Are your parents: (Mark one) [PARENTMARSTAT]

- Both alive and living with each other (1)
- Both alive, divorced or living apart (2)
- One or both deceased (3)
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

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

### Research, Consulting, and legal services
- Accounting Services
- Architectural, Engineering Services
- Design services (interior, industrial, graphic)
- Computer Systems Design and Related Services
- Consulting (including Management, Environmental, Economic, Physics, Biological, Chemical, Energy consulting)
- Scientific Research (including Social research in humanities)
- Other Professional, Scientific, and Technical Services

### Technology
- Computer and Electronic Product Manufacturing
- Data Processing, Hosting, and Related Services
- Software publishing
- Internet publishing and broadcasting
- Web search portals, social networking sites

### Other
- Health Care
- Agriculture, Forestry, Fishing and Hunting
- Construction
- Wholesale Trade
- Retail Trade
- Transportation and Warehousing
- Real Estate and Rental and Leasing
- Management of Companies and Enterprises
- Administrative and Support and Waste Management and Remediation Services
- Accommodation and Food Services

### NAICS Code
- 5412
- 5413
- 5414
- 5415
- 5416
- 5417
- 5419
- 334
- 518
- 511
- 519
- 62
- 11
- 23
- 42
- 44
- 48-49
- 53
- 55
- 56
- 72
# List of Occupations

<table>
<thead>
<tr>
<th>Occupation Group (first level of drilldown)</th>
<th>Occupation (second level of drilldown)</th>
<th>Research field (third level of drilldown)</th>
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<td>Computer Hardware Engineers</td>
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<td>Actors, Producers, and Directors</td>
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<td>Dancers and Choreographers</td>
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<td>Musicians, Singers, and Related Workers</td>
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<td>Writers and Editors</td>
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<td>Software Developers and Programmers</td>
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<td>Database and Systems Administrators and Network Architects</td>
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<td>Actuaries</td>
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<td>Mathematicians</td>
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<td>College/University other faculty member or instructor</td>
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<td>Other teacher (preschool, K-12, adult education)</td>
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<td>Dean, Department chair</td>
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<td>Investment banker, Stock broker, Securities Trader</td>
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<td>Dentists</td>
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<td>Pharmacists</td>
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<tr>
<td></td>
<td>Veterinarians</td>
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<td>Judges, Magistrates, and Other Judicial Workers</td>
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<td>Public Relations and Fundraising Managers</td>
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<td>Medical and Health Services Managers</td>
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<tbody>
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<td>Agricultural and Food Scientists</td>
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<tr>
<td>Biological Scientists</td>
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<td>Conservation Scientists and Foresters</td>
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<td>Medical Scientists</td>
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<td>Other Life Scientists</td>
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<table>
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<tr>
<td>Astronomers and Physicists</td>
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<td>Atmospheric and Space Scientists</td>
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<td>Chemists and Materials Scientists</td>
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<td>Economists</td>
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<td>Psychologists</td>
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<td>Sociologists</td>
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<td>Urban and Regional Planners</td>
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<td>Geographers</td>
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<td>Political Scientists</td>
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