

1. Where would you like to be 10 years from now?

2. What do you want to do after you graduate college? Why?

a. Go to graduate school?

- i. PhD or Masters?**
- ii. Which field(s) of science, technology, engineering, math?**

b. Do something else?

- i. Go to graduate school eventually?**

3. How do you apply for the next step?

- a. Components of personal (professional) statement or resume?**

4. How do you apply for the next step?

- a. Who should write letters of reference?**

5. Checklist and summer research links

REU: <https://www.nsf.gov/crssprgm/reu/>

SULI: <https://science.energy.gov/wdts/suli/>

RISE and Big 10: <https://www.rise.rutgers.edu>

PhD program application checklist DNP CEU 2019

Before your senior year

- Get good grades in your physics, math and related courses
- Get to know your professors, especially in advanced and laboratory courses
- Do research (during the summers, at your home institution, etc.)
 - REU: <https://www.nsf.gov/crssprgm/reu/>
 - SULI: <https://science.energy.gov/wdts/suli/>

Summer before senior year

- Do research
- Study for GRE Physics Subject Test
- Apply to take GRE general and subject tests
- Consider applying for external fellowships such as NSF

Early in senior year

- Take GRE tests
- Determine where you will apply for PhD studies (usually 5-10 schools)
 - Talk to research advisors and colleagues and faculty advisors
 - AIP [Grad School Shopper](http://www.gradschoolshopper.com) site <http://www.gradschoolshopper.com>
 - Go line and/or request materials
 - Participate in graduate school fairs
- Ask 3 individuals to write letters of reference (research advisors, professors)
- Draft personal (professional) statement of purpose and ask advisors for help
- Request transcripts from all colleges and universities you attended (including summer sessions)

Applying for PhD studies – select 5-10 schools to apply to

- Check deadlines
- Tell references where you will be applying, what the deadlines are and give them copy of your personal statement
- Submit on-line applications
 - Contact info: robust e-mail address, current and permanent addresses
 - Provide all information requested
 - Indicate interest in financial aid, including assistantships and fellowships

You have been accepted – congratulations!

- Make sure you are being offered both stipend/salary and tuition (and fee) remission or waiver
- Visit the school
 - Talk to faculty and graduate students about all aspects of the course work, qualifying exams, and research opportunities
 - Walk around the community
- Say thank you for invitation to visit

Before April 15

- Accept school that you will be attending
- Graciously turn down other schools that made you an offer and thank them
- Tell your references where you are going and say thank you

Not ready to start PhD studies right after B.S.? Do as much of the above as possible and ask to have application or matriculation deferred.

Other questions?

Have FUN as a PhD student.

Welcome to the community of Nuclear Scientists!

Nationally Competitive Fellowships for Early Graduate Study

Fall Deadline Season (October-December)

- National Science Foundation Graduate Research Fellowship (<http://www.nsfgrfp.org/>)
Deadlines October 21-25, 2019 (depends on field)
- Ford Foundation Pre Doctoral Diversity Fellowship. Deadline December 17, 2019.
(<http://sites.nationalacademies.org/PGA/FordFellowships/index.htm>)
- National Physical Science Consortium Graduate Fellowship in the Physical Sciences
(<http://www.npsc.org/index.html>) Deadline December 6, 2019.
- National Consortium for Graduate Degrees for Minorities in Engineering and Science, Inc (<http://www.gemfellowship.org/gem-fellowship>). Deadline November 12, 2019.
- U.S. Department of Defense Science, Mathematics, and Research for Transformation (SMART) (<https://smartscholarshipprod.service-now.com/smart>) Deadline December 3, 2019.
- National Defense Graduate Science and Engineering Fellowship
(<https://ndseg.sysplus.com>) Deadline December 6, 2019.
- Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research
<https://researchtraining.nih.gov/programs/fellowships/F31>
***Deadlines are August 8, April 8 and December 8 every year
- Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (Parent F31)
<http://grants.nih.gov/grants/guide/pa-files/PA-11-111.html>
***Deadlines are August 8, April 8 and December 8 every year

Winter Deadline Season (January-February)

- DOE Computational Science Graduate Fellowship (<https://www.krellinst.org/csgf>).
Application page available late October 2017. Deadline January 15, 2020.
- DOE Stewardship Science Graduate Fellowship (<https://www.krellinst.org/ssgf/>).
Deadline (approximately) January 16, 2020.

Broader Impact

Potential for leadership
Role model for younger scholars
Commitment to enhance diversity
Commitment to outreach to community and K-12 schools
Inter-disciplinary research