YOU HAVE OPTIONS Career Paths for Physicists

Q: What can you do with a physics or astronomy bachelor's degree?

A: Get a PhD and become a professor, OR ...

What comes after the "or" is not widely known in many departments, even though recent data show that only about 30% of physics bachelor's degree recipients enter physics or astronomy graduate school within one year of graduating. Physics and astronomy bachelors go into a huge variety of fascinating, fulfilling, and well-paying careers! This is evidenced by decades of data collected by the American Institute of Physics (AIP).



education, law, medicine,

business, and a variety of

other areas.

"MCAT." their alma mater. While AIP doesn't track these Civilian government, including graduates, anecdotal national labs (9%) evidence suggests they go on The vast majority of these to successful careers in positions were in STEM. engineering, management,

High school teachers (6%)

Active military (4%)

54%

included:

around \$70K.

employees (21%).

 These positions spanned all branches of the armed forces and were in aviation, nuclear power, and many other areas.

attended graduate school in physics or astronomy 72% started in PhD programs, the remainder in master's degree programs. > 90% were supported by teaching or research assistantships or The median TA stipend

Physics bachelor's degree recipients

for a PhD physics program was

\$28K.

The majority of this data comes from AIP's degree recipient follow-up surveys for the classes of 2021 and 2022 combined. The data are for bachelors receiving their degree from US physics programs and remaining in the US after graduation. Data specific to astronomy bachelors can be found at aip.org/statistics.



of US physics bachelor's degree recipients earn a physics PhD

• Students typically take 5–7 years to earn a physics doctorate.

~13%

• 98% of physics PhD students receive financial support through teaching or research assistantships or fellowships.

Of those who remain in the United States, within one year of earning a physics PhD...

~66%

enter the workforce

- About half work in the private sector, overwhelminalv in STEM fields: engineering comprises the largest proportion.
- Other common employers include colleges and universities, high schools, civilian government, and the military.

What About Astronomy?

- About half of new astronomy bachelor's degree recipients pursue graduate studies in the year following their degree, with the largest proportion in astronomy or astrophysics.
- Among those entering the workforce, the largest proportion is employed by the private sector, followed by colleges and universities.
- In recent years, about two-thirds of new astronomy PhDs held a postdoc the winter after they graduated.
- The private sector employs the largest proportion of new astronomy PhDs that accept potentially permanent positions.
- Learn more at aip.org/statistics.

55%

43%

accept a temporary position (e.g., a postdoc)

- Doing a postdoc is typically a prerequisite for a faculty position.
- Virtually all postdocs are in the university or government sector.

accept potentially permanent positions

- 73% accept private sector positions, and they have a median salary of \$125K.
- 15% accept academic positions, and they have a median salary of \$66K.
- To learn more about who's hiring physics PhDs, visit aip.org/statistics/whos-hiring-physics-phds.