

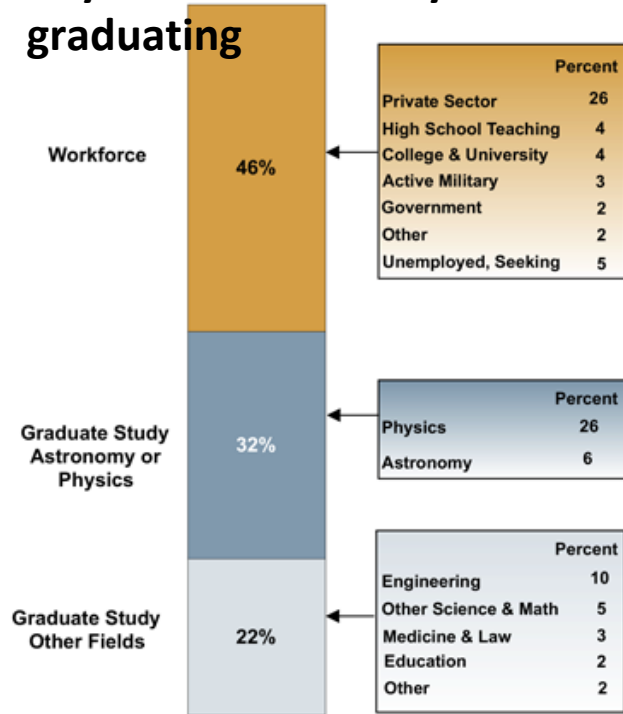


What can you do with a physics degree?

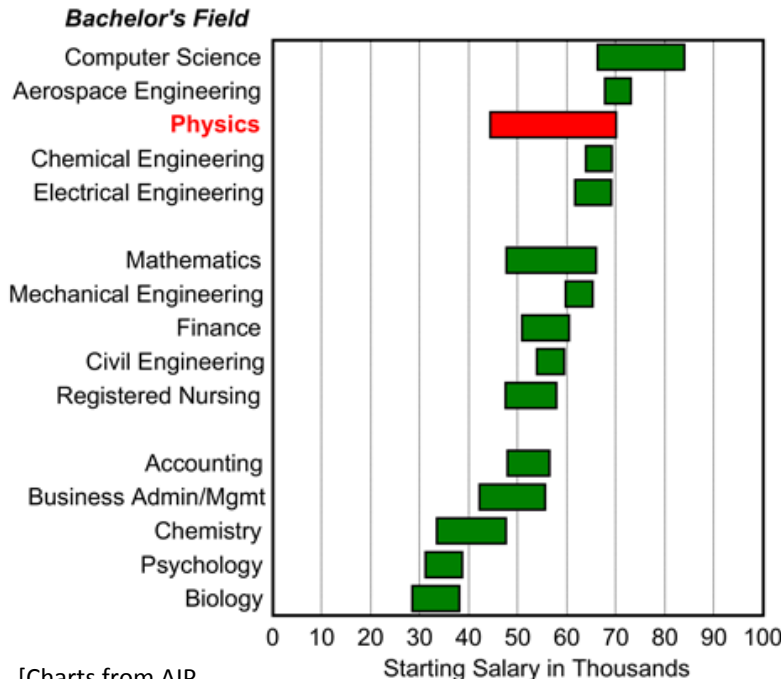
Physics teaches you advanced math, computing, data analysis, writing/presentation skills, experimental techniques, and appreciation for the natural world and how it works. You will be prepared for careers in:

- Engineering and Manufacturing
- Computer Programming/Software Design
- Finance & Management Consulting
- Defense & Aerospace Industry
- Medicine, Law, & Government
- Journalism/Science Writing
- Science Teaching
- Physics/Astronomy Research
- Graduate study in Physics, Astronomy, Math, & Engineering.

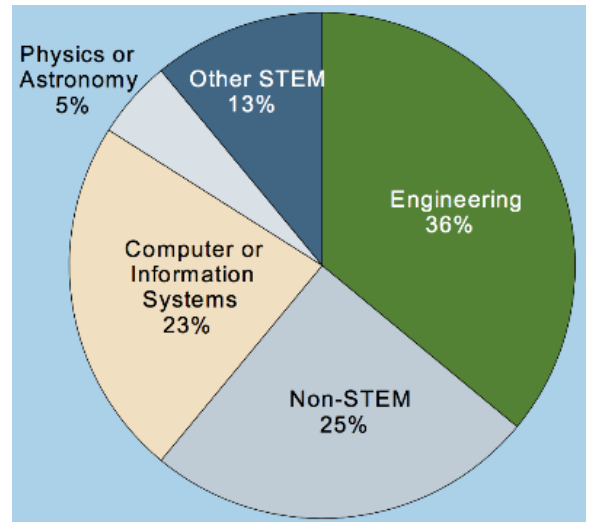
Physics bachelors 1-year after graduating



Starting salary range by major (class of '15)



New graduates employed in the private sector



Learn more at:

montclair.edu/physics-astronomy

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[Charts from AIP Statistical Research Center]



Why study Physics at Montclair State?

- Faculty size and number of majors allows for small classes and individual attention.
- Multiple research opportunities with faculty, including a focused group working on the Nobel-prize winning LIGO gravitational-wave detector.
- Active physics club connects you with other majors, weekly activities, and free food!
- Revised curriculum provides excellent preparation for STEM careers or graduate study.
- Recently renovated lab spaces: learn about atomic/nuclear physics, optics, and more.
- Two seminar courses prepare you for the physics major and post-graduation success.
- Our students have a great track record of acceptance to graduate schools, landing top high school teaching positions, and corporate employment. Multiple degree paths (discussed below) provide several options suited to your talents and interests.
- Our department wants you to succeed and provides a community to help you do so!

Degree Program Options in Physics & Astronomy

Physics Major: provides solid overall training in core areas of physics; great preparation for graduate school or STEM employment.

Astronomy Concentration: same as Physics major but elective courses are in Astrophysics & Relativity.

Pre-med Concentration: Great preparation for medical school. Physics majors have the highest average MCAT scores. Includes courses covered on the MCAT plus an in-field seminar course at Mountainside Hospital. Distinguish yourself from other med-school applicants.

Data Science Concentration: Combines a minor in Data Science with a Physics degree; great preparation for a wide range of career paths. (pending approval.)

BS Physics/Masters in Mechanical Engineering: spend 3 years at Montclair, then get an engineering degree from Stevens Institute of Technology in 2 more years.

Teacher Education Concentration: get certified to teach high school physics. There is a serious shortage of teachers with a Physics degree in NJ, and our students routinely get strong job offers.

BS Physics + Master of Arts in Teaching (MAT): a 5-yr program certifying you to teach high school physics, but provides a Masters as well as BS degree. (pending approval.)

BS Physics + Masters in Applied Math: 5-yr program that supplements your Physics degree with advanced mathematics training (and the option to do thesis research with Physics faculty).

BS Physics + MBA: 5-yr program leading to a Master's in Business Administration from Montclair State's Feliciano School of Business. A great combination of analytical training and business know-how.