

ASTROPHYSICIST

AVERAGE SALARY:

\$87,689

EDUCATIONAL REQUIREMENTS:



RELATED HIGH SCHOOL

CLUBS: Astronomy, Computer Programming, Digital Photography



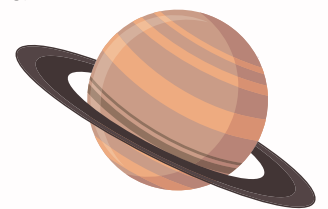
Bachelor of Science (BS) in Astronomy, Physics, or Astrophysics
Advanced Education: Masters' Degree or PhD in Astronomy, Physics or Astrophysics

RELATED HIGH SCHOOL CLASSES:

Physics, Chemistry, Geology, Calculus, Algebra, Statistics, Computer Programming

1. Explore objects in our solar system
2. Study the origin of our universe, black holes, time, and other galaxies
3. Analyze information from telescope pictures and collaborate with other astronomers
4. Gather data on the characteristics of planets, moons, and stars
5. Develop computer programs that allow them to more efficiently search through data
6. Research and attend meetings on new findings about the universe

ON THE JOB

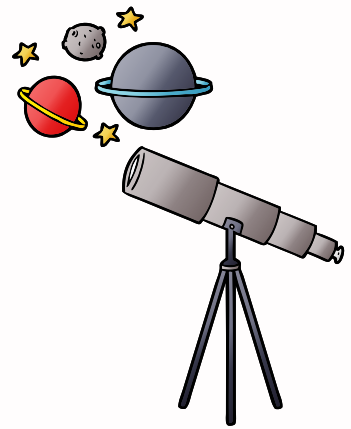


RELATED CAREERS:

Astronomer, Mathematician, Aerospace Engineer

EXAMPLES OF EMPLOYERS

1. National Aeronautics and Space Administration (NASA)
2. Jet Propulsion Laboratory (JPL)
3. National Radio Astronomy Observatory (NRAO)
4. Space Telescope Science Institute (STScI)
5. Universities, like Cal Tech and University of Hawaii



FUN FACTS:

- If two pieces of the same type of metal touch in space, they will bond and be permanently stuck together! This effect is known as cold welding. Astronaut's tools are safe because they have all developed a small coating of oxide (rust) on their surface that will prevent cold welding.
- A single day on Venus is equivalent to 243 days on Earth!
- Every year the sun evaporates 100,000 cubic miles of water from Earth (that weighs 400 million tons)!
- Mars is home to the tallest mountain in our solar system, Olympus Mons, at the height of 15 miles, three times the height of Mount Everest!