

PHYSICS

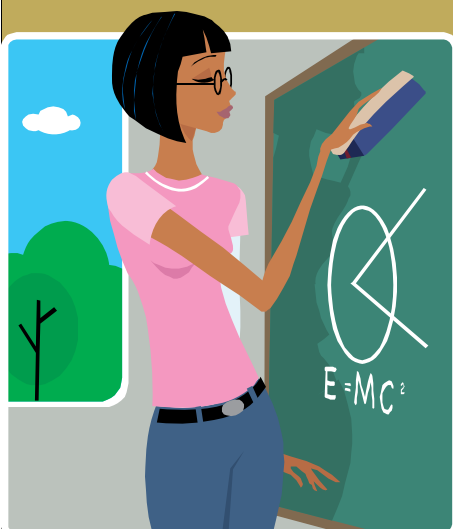
JOB DESCRIPTION

PHYSICIST

Conduct research into the phases of physical phenomena, develop theories and laws on the basis of observation and experiments, and devise methods to apply laws and theories to industry and other fields.

ASTRONOMER

Observe, research, and interpret celestial and astronomical phenomena to increase basic knowledge and apply such information to practical problems.



EDUCATION

- A doctoral degree is the usual educational requirement for physicists and astronomers.
- Many physics and astronomy Ph.D. holders ultimately teach at the college or university level.

JOB TASKS

PHYSICIST

- Analyze data from research to detect and measure physical phenomena.
- Describe and express observations and conclusions in mathematical terms.
- Develop theories and laws on the basis of observation & experiments & apply to problems in areas like nuclear energy, optics & aerospace technology.
- Provide support services for radiation therapy, diagnostic imaging or seismology.
- Writing papers for scientific journals and presenting at scientific conferences.

ASTRONOMER

- Studies celestial phenomena, using optical devices such as telescopes.
- Designs optical, mechanical and electronic instruments for astronomical research.
- Develops mathematical tables and computes positions of sun, moon, planets, stars, nebulae, and galaxies.
- Analyzes wave lengths of radiation from celestial bodies.
- Determines exact time by celestial observations and conducts research.
- Studies history, structure, extent, and evolution of stars, stellar systems, and universe.
- Calculates orbits and determines sizes, shapes, brightness, and motions of different celestial bodies.

10-YEAR PROJECTIONS

In Colorado, Physicist is expected to grow more slowly than All Occupations by 2015. No data is available for astronomers.

HOURLY WAGES

PHYSICIST:	\$41.37
ASTRONOMER:	\$44.27

Source: www.coworkforce.com/LMIGateway