

Scope of physics graduates

Physics is mainly concerned with all aspects of nature on both the macroscopic and submicroscopic levels. It not only describes the behavior of objects under the action of given forces but also the nature and origin of gravitational, electromagnetic, and nuclear force fields. Physics plays an important role in all the natural sciences, however, and all such fields have branches in which physical laws and measurements receive special emphasis, bearing such names as astrophysics, geophysics, biophysics, and even psychophysics. The ultimate aim of physics is to find a unified set of laws governing matter, motion, and energy at small (microscopic) subatomic distances, at the human (macroscopic) scale of everyday life, and out to the largest distances (e.g., those on the extragalactic scale). Physics graduates have skills that are in high demand in diverse sectors. These include skills relating to numeracy, problem-solving, data analysis and the communication of complex ideas, as well as a wider understanding of how the world works on a scientific and human level. With a Bachelor degree in Physics students can pursue careers in research and development, science, engineering, education, medicine, law, business, and the military. Jobs directly related to your degree include: academic researcher, astronomer, medical physicist, geophysicist, higher education lecturer, meteorologist, nanotechnologist, school teacher.