

# Learning Outcome

## Department of Physics (General Course)

An undergraduate general physics course not only provides students with a solid foundation in fundamental principles but also enhances their employability by fostering a diverse skill set. Graduates from this program are well-equipped for various career paths.

The acquired problem-solving skills, mathematical proficiency, and experimental expertise make physics graduates desirable candidates in fields such as engineering including Aerospace, data analysis, and technology. The ability to communicate complex ideas prepares them for roles in science journalism, technical writing, and education.

The computational skills developed during the course open doors to positions in fields increasingly reliant on simulations and modelling, such as finance, computer programming, and artificial intelligence. Additionally, the interdisciplinary nature of physics allows graduates to seamlessly transition into roles that require a multidisciplinary approach.

Industries like renewable energy, civil services, IT, telecommunications, and healthcare value the quantitative analysis skills of physics graduates, presenting opportunities in research and development. Furthermore, the ethical considerations emphasized in the course make graduates well-suited for roles requiring responsible decision-making in scientific and technological advancements.

In conclusion, an undergraduate physics course not only imparts academic knowledge but also enhances practical skills, preparing graduates for diverse and dynamic career paths across various industries.