

PHYSICS

AREA OF STUDIES

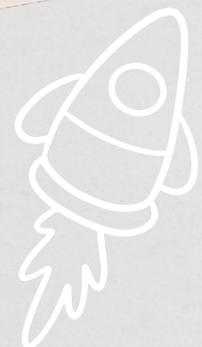
An undergraduate physics curriculum provides a strong foundation in the fundamental principles that govern the universe. It begins with Mechanics, a field used to explain most everyday phenomena, from a moving car to the vibrations of a musical instrument. This is followed by Electromagnetism, which is used to explain electricity and serves as a crucial foundation for learning advanced mathematical tools and models. Students then study Statistical Mechanics, which provides a framework for understanding heat transfer and is a root of modern neural networks.

The curriculum culminates with Quantum Mechanics, a profound area of study that explains how fundamental particles behave and serves as the basis for the future of quantum technology. This progression ensures a comprehensive understanding of the physical world, from the motion of the Moon around the Earth to the motion of electrons around the nucleus.



CAREER OPPORTUNITIES

- Researcher in academic and research institute
- Scientist and engineer in business company
- Specialist in research and development department of government agencies



S
C
I
E
N
C
E

