

$$E=mc^2$$




كلية الآداب والعلوم
College of Arts and Sciences
QATAR UNIVERSITY جامعة قطر


Revealing Nature and Inventions in Our Life

Bachelor of Science in **PHYSICS**



Where to Find Us

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 <http://www.qu.edu.qa/artsscience/departments/msp/programs/B.Sc.in-Physics>

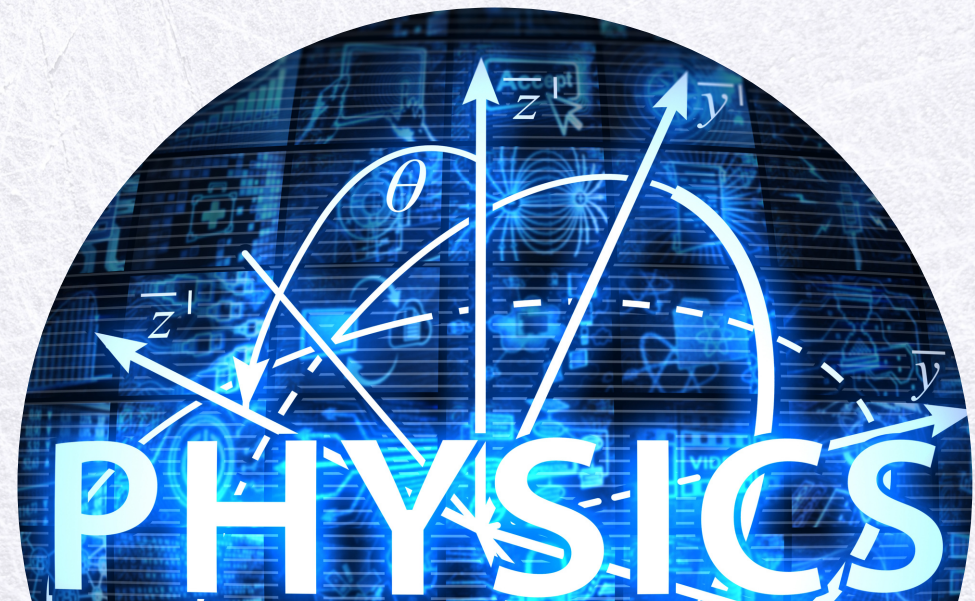
 @qudmsp

Physics Program

Department of Mathematics, Statistics and Physics




PHYSICS
KING OF ALL SCIENCES





What do Physicists Study?

Physicists study everything from the dynamics of the grains of sand on a beach to the formation of galaxies, from elementary particles to semiconductors, from fiber optics to computers.

Physics courses are divided into theoretical and experimental courses.

Qatar University students joining the B.Sc. in Physics program are required to complete a minimum of 120 credit hours as follows:

- Core Curriculum Courses (33 Credit Hours)
- Supporting Courses (22 Credit Hours)
- Major Core Courses (47 Credit Hours)
- Focus Area Courses (18 Credit Hours)

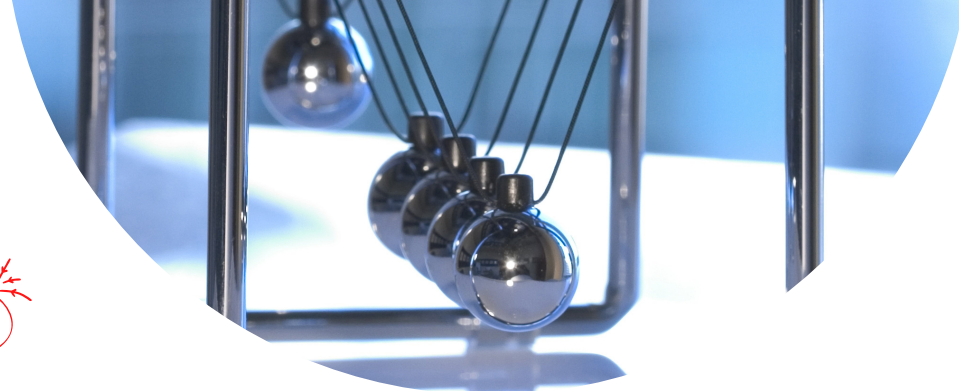
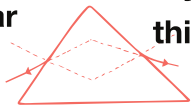
Students can have courses in one of the two focus areas which are Nuclear and Radiation Physics or Materials Physics.



What do Physicists Do?

Studying Physics opens doors to many interesting and exciting careers in many sectors like:

- Education and Scientific Research: in universities, schools, research centers.
- Medicine: Hamad Medical Corporation, Sidra Medicine.
- Environment and Energy: Ministry of Environment and Climate Change.
- Communication: Ministry of Communication and Information Technology.
- Industry: Qatalum, Qatar Steel, and Qatar Solar Technologies.



What is Physics?

- Physics is the study of matter and energy and their interactions.
- Physics explores a range of natural phenomenon from an understanding of the forces of electricity, magnetism, and gravity, to the structure within the proton, and the birth of the universe.
- Physics fundamental ideas underlie all other sciences such as astronomy, biology, chemistry, geology, and all applied sciences like engineering and medicine.
- Physics is the basis of most modern technologies and inventions in our life like LASER, MRI, ultrafast computers, and quantum computing.
- Physics is a continuous search; a search for solutions, new materials, new particles.



Is Physics for Me?

If you have an enquiring mind, always asking why and how things happen, then Physics will help you find the answers. If you like science and mathematics, and like to explore why things are the way they are, then Physics is for you.