

Learning outcomes of the Physics program

Knowledge

- Knowledge of the basic concepts in theoretical and applied physics.
- Strong knowledge of general and advanced mathematics that simulates physics.
- Deep understanding of the basics of classical and modern physics.
- Understanding the basic principles of electronics and electronic circuits.
- Understanding the basics of scientific research principles and how to conduct them.
- Ease of extracting the information necessary for practical research, through the use of electronic information sources, available on multiple local and global information networks and the Internet.
- The ability to understand physical and electronic applications in modern technology in all its scientific fields.
- The ability to use physical and electronic concepts in the production and development of clean renewable energy sources currently and in the future.
- The ability to use the principles of electronics and apply them in practical life in various fields.
- The ability to use the computer to understand and solve problems in the various fields of physics and electronics.
- Concern for health and the environment through knowledge of various environmental pollutants such as radioactive, acoustic, chemical and biological pollutants.

Skills

- Experience in using modern scientific and technological devices easily.
- Uses physics theories to solve problems in complex and advanced contexts.
- Uses digital technologies efficiently.

- Experience in understanding the risks resulting from the misuse of various old and modern devices.
- Has extensive experience in the concept of public safety and its importance in life.
- Has extensive experience in the concept of cooperation and teamwork (teamwork).
- Refine the student's personality so that he can rely on himself and express himself in addition to the ease of communicating with others and being loyal to them through his loyalty to his work.
- To have a personality that always aspires to the best and excellence in any field of science and life in society in order to keep pace with modern scientific and technological developments to advance himself and the society around him.