

Future Engineer

The Academic Enrichment Program is considered to be one of the most important universal methods used to enrich the knowledge of talented students in STEM fields. In collaboration with the world's best places of expertise in talent and creativity, Mawhiba designed the courses to fit and challenge the students participating in the program. Mawhiba also aims to increase the depth and diversity of the scientific courses as students advance in education level and participate year after year .

Mawhiba also included interpersonal skill development as part of the program's main goals. To ensure students build their character and personality alongside their academic education, some of these include innovative thinking, cyber safety, Logical reasoning, and other important modern-day skills.

Course Description

The " Future Engineer " course is one of the courses that fall under Engineering Sciences. This course aims to enrich students' knowledge and understanding of the principles of physical and mathematical sciences. As well as understanding the basic physical and engineering concepts such as mechanics, electricity, magnetism, waves and optics, and thermodynamics.

All of these concepts and skills will be learned through the student participation in hands-on activities, either in laboratories or through virtual laboratories, as well as through projects made by the student through lectures and discussions.



Acquired Skills

Students will be building and developing their academic and personal skills such as "teamwork, problem solving, reading and analyzing scientific literature, listening and understanding, as well as other important skills, that are taught using an educational kit provided by specialized tutors:

- 1.cyber safety.
2. active learning strategies.
- 3.Flexibility.
- 4.Solving complex problems.

What to Expect When Taking this Course

- An in-depth scientific material.
- Practical activities and scientific projects.
- Skills development.

Where is the Program Going to be?

This program can be conducted either by physical, or online attendance depending on the circumstances.

Soft Skills Kits in the Program

Students will be provided with two skills kits to develop their personal skills:

Phase	Skill Kit 1	Skill Kit 2
Intermediate	Solving complex problems	Managing priorities