

**Mechanic Engineering**  
**Mechanic Engineer – 6 years.**

**Objectives**

To train students so that they will be able to study, research, develop, design, install, manufacture, maintain and repair mechanic equipment and installations. The latter may be energy generators –including steam and hydraulic turbines, wind generators, and boilers, among others-; mechanization centres; machinery for making metallic pieces or plastic materials; robots; and automated production lines.

**Contents**

The specialization in Mechanics of the Engineering Faculty starts after students have attended a group of subjects that lay the foundations on which specific technical knowledge is built, for example: the study of heat transmission during the first years allows students to understand the calculation of heat interchangers, the cooling circuits, etc. Some of the subjects dealt with during the specialization are: Metallurgy; Mechanization of component parts; Mechanic Instruments; Combustion; and Air Conditioning and Cooling.

**Job Opportunities**

Graduates are qualified to plan, build, run, operate, maintain and repair: different kinds of machines; industrial installations such as pipelines, refrigerating and air conditioning installations, steel production, automated production lines, petrochemical installations, etc; automated processes and industrial control systems.

Graduates can work in any kind of industrial company, in the design and development of parts, equipment and systems – in which the use of new materials plays a leading role-, as well as in the installation and production of industrial plants and services.