

Naval and Mechanic Engineering

Naval and Mechanic Engineer – 6 years

Objectives

To train students that will be able to plan, build, transform and repair ships and floating devices, relying not only on scientific and technological knowledge but also on a global vision integrated to diverse economic, social and cultural factors that intervene in the naval issues of our country.

Contents

The syllabus is made up of a cycle of basic subjects aimed at obtaining the necessary training in Basic Sciences and Engineering Sciences, upon which the Superior Cycle is built.

The course of studies integrates three fundamental areas of Naval and Mechanic Engineering:

1. Naval Architecture Area: allows graduates to design any kind of ship and to design and calculate metallic structures of big dimensions with a high degree of complexity.
2. Area of Engineering in Marine Machinery: permits graduates to design, calculate and maintain the propelling plants of ships that use steam, diesel or gas turbines. The study of such plants is of a higher complexity than that of earth plants given that in ships not much space is available and they are subject to continuous movements. These plants include electric power stations aboard, generation panels and secondary circuits.
3. Mechanic Engineering Area: students acquire knowledge that qualifies them to work in the earth activities connected to Naval Engineering.

Job Opportunities

Graduates are qualified to study, plan and direct ships and floating devices; transform and repair shipyards and naval factories, machinery and mechanisms in general, systems and installations for the production of thermal and mechanic energy, heating systems, air conditioning and refrigeration, and systems and installations for the transportation and storage of fluids; inspect ships and grant certifications concerning legal engineering, navigability and economic and financial issues; and teach basic technical and scientific knowledge.

Nowadays, most of the international trade in Argentina is carried out by water. As a result, Naval Engineers are involved in jobs concerning fluvial means of transport, fishing, oil exploitation, and sports.