

A.Y. 2015-16



UNIVERSITY OF NAPLES
"PARTHENOPE"

Department of Engineering



COURSE LEADER
Prof. Raffaele CIOFFI
raffaele.cioffi@uniparthenope.it

www.ingegneria.uniparthenope.it
<http://www.ingegneria.uniparthenope.it/it/index.php>



WHERE WE ARE

Department of
ENGINEERING

Centro Direzionale-Isola C4-
80143 Napoli



UNIVERSITY OF NAPLES
"PARTHENOPE"



GUIDANCE AND TUTORING

Department of
ENGINEERING

First-level Degree Course

Management Engineering
(Class L-9)

www.uniparthenope.it

COURSE OVERVIEW

The first-level Degree Course in Management Engineering aims to train professionals able to work in the industrial and service sectors, and especially skilled in solving issues related to the operating management of plants for the production, distribution and use of energy, of heat and air conditioning systems, their components and civil and industrial thermo-technical systems. Graduates can also work as energy managers in companies and bodies where such professional figures are required.

CAREER PROSPECTS

Graduates in Management Engineering find occupation in those firms and areas of activity where technology and management are critical (because of their complexity), and where innovation in general plays a key role. The opportunities for finding a job are numerous, as graduates can be employed in manufacturing and service companies, as well as in public bodies for the supply and management of materials, for business organization and production, for the organization and automation of productive processes and for the logistics; in companies working in the field of transport, energy and civil and industrial technology; in firms operating in the area of materials and testing (metallurgic, non-metal material, recycling industries); in companies that

provide service support to industrial activities (such as internal and external logistics, maintenance and security, sales, distribution, repairs and assistance, treatment and disposal of waste); in consultancy companies; as self-employed consultants; in agencies and organisation dealing with industrial training, control, inspection, testing, assessment, certification; in public and private research institutions, at national and international level, and enrol in section B of the Professional Register of Engineers - Industrial Sector.

SYLLABUS

The first-level Degree Course in Management Engineering offers:

- core courses in physics and mathematics common to all our Engineering degrees;
- the acquisition of fundamentals in a number of disciplines in the IT and industrial sectors deemed essential to the training of management engineers.

SYLLABUS

Year I	ECTS
Algebra and Geometry	6
Calculus I	9
Calculus II	9
Chemistry	9
Business Economics	9
General Physics I	9
English Language	6
Year II	
Software Tools for Data Processing	9
Electrical Engineering	9
General Physics II	6
Technical Physics and Systems	9
Business Management	9
Probability and Statistics	9
Operational Research	9
Year III	
Fundamentals of Automation	6
Electric Systems	9
Machinery	9
Planning and Management of Industrial Plants	6
Materials for Engineering Applications	9
Elective module	6
Elective module	6
Internship + Final exam	12