

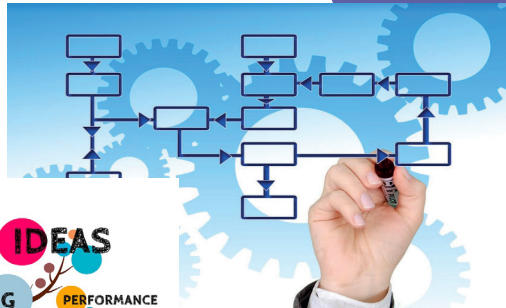
# WHY TO ENROLL?

Engineering management is a multidisciplinary program which builds theoretical and practical knowledge of all basic engineering fields and engineering mathematics, along with advanced project, human resource, cost and business management knowledge and skills.

Engineering management program is organized in lectures (some delivered by leading industry practitioners), case studies, hands-on workshops, laboratory-based practical classes, group and individual project work. A process of continuous assessment is guaranteed by small practical exercises for each module along with individual and group project work, essay writing, presentations, coursework and examinations, with an individual project or dissertation taking up most of your last year (when defending the final thesis).

Students are sometime hired as team members in business research projects funded by industry bodies, charities, government departments and research councils, and are a good way of putting degree knowledge to practical use and seeing the direct application of engineering management studies to the workplace.

**Management engineer is a process engineer**



## Links

General Info for International student mobility  
[www.international.unina.it/welcome-message/](http://www.international.unina.it/welcome-message/)

School "Politecnica e delle Scienze di Base"  
[www.scuolapsb.unina.it](http://www.scuolapsb.unina.it)

Department of Industrial Engineering  
[www.dii.unina.it](http://www.dii.unina.it)

Master's degree studies in Management Engineering  
[gestionale.dii.unina.it](http://gestionale.dii.unina.it)

For more info: mail to the course coordinator

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UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II  
SCUOLA POLITECNICA E DELLE SCIENZE DI BASE

## ENGINEERING

## MASTER'S DEGREE IN MANAGEMENT ENGINEERING IGES



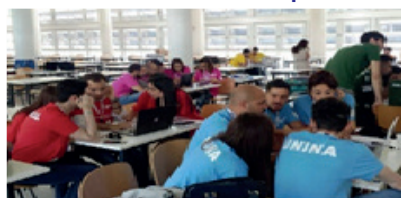
DIPARTIMENTO DI  
INGEGNERIA  
INDUSTRIALE

Updated to May 2020

## LEARNING OUTCOMES

The Master's degree in Engineering Management is divided into three curricula: **Innovation Management** (aimed at skills developing in analysis, modelling and evaluation of the main phases of both innovative process and business opportunities), **Supply Chain Management** (aimed at developing specialized skills relating to the organization and management of a supply chain), **Management of production processes and services** (aimed at developing skills relating to the management of the main production systems and process engineering). The degree course focuses on innovative teaching methods and on expanding collaboration opportunities for students with other universities (at a national and international level) and with the corporate world. So far, alongside the traditional frontal teaching, there are alternative didactic moments, associated with the organization of project work, use of data analysis and processing tools (MatLab, Excel, ERP systems), seminars with company experts, work-based training through internships, guided visits to local companies, the organization of research experiences and periods of study abroad in collaboration with Erasmus programs.

### Students at the IG4U competition



### Celebration of talented students



Furthermore, the Degree Program encourages student involvement in many extra-training initiatives in order to not only promote networking between students and their activities in organizing but also in coordinating Department activities (Engineering Management Christmas Brunch, involvement in the organizational committees of national and international events, organizational support and involvement in the quality process of the degree program).

## TRAINING PLAN

### First Year

System analysis	9
Business management III	9
Goods and services production systems	6
Information systems	6
Mechanical technology II	6
Business management IV	9
Models identification and estimation	6
Free choice exam	9

### Credits

### Tracks

#### *Innovation Management*

Entrepreneurship	9
Innovation performance systems	9
Product lifecycle management	9
Technologies for Information systems	9

#### *Supply Chain Management*

Logistic system model	9
Integrated logistic system	9
Quality measurements	9
Logistic and good transportation	9

#### *Management of manufacturing processes and Services*

Management and control of industrial system	9
System process control	9
Energetic	9
Innovation statistic	9

## JOB AND CAREER OPPORTUNITIES

The job opportunities for a management engineer are wide and varied. Lots of companies (public and private, large and small, oriented to production and service) are constantly looking for management engineers to include in their corporate functions (planning, production, marketing, finance, accounting, logistics, information systems).

AlmaLaurea (the Italian university labour database) survey data says:

Employment rates: about the 80% of graduates in Management Engineering at Federico II find employment in 1 year from graduation and over 90% in 5 years from graduation.

Employment Sectors: the main employment sectors are manufacturing (35%), consulting (24%), information technology (12%), logistics and transport (10%).

Postgraduate Mobility: Around 64% of graduates in Management Engineering at Federico II find employment outside the university region; in particular, 43% of them in the Northern Italy, 20% of them in the Centre Italy and 1% abroad.

Gender Gap: the number of graduates in Management Engineering at Federico II is almost perfectly balanced between men (53%) and women (47%) and there are no noticeable differences either in the post-graduate employment rates or in the average salaries received.

## CAMPUS AREA

Teaching activities, labs, libraries and offices of the Department of Industrial Engineering are located in Napoli (Fuorigrotta) close to the San Paolo stadium.

