

Operations management 2nd year

Master in Industrial engineering



Duration
1 year



Component
Grenoble
INP, Institut
d'ingénierie et
de management
- UGA



Language(s) of
instruction
English, French

Presentation

Between one and three modules of 6 ECTS are in English, depending on the programmes and the students' chosen options.

the three programmes in French, the choice of program is made after admission to the master in Industrial engineering.

Candidature / Application

See Grenoble INP website : <http://www.grenoble-inp.fr/fr/formation/les-admissions>

International dimension

Between 1 and 3 UEs of 6ECTS are in English, according to the courses and the choices of the options of the students.

And after

Admission

Access conditions

To be accepted for a master 2nd year, you must hold a master 1 degree or equivalent. Your previous studies must be compatible with the master you wish to study. The recruitment and registration conditions are stated for each speciality. For

Sector(s)

The program leads to careers in teaching and research (private or public) with, in particular, a target of 50% of students going on to doctoral studies. Other students tend to go into industry in France or in their countries of origin, in industrial engineering careers. For the Operations management program, in the supply chain : production, procurement, logistics engineer... ; for the Product development program, in product design careers : product engineer, calculation, simulation... and lastly for the Industrial innovation program, careers in innovation: innovation project management, consultants in innovation, monitoring, etc

Useful info

Contacts

Program director

Khaled Hadj-Hamou

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Program administration

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Course location(s) - City

📍 Grenoble

Campus

🏠 Grenoble - Doyen Gosse

Program

Specifics of the program

Master in Industrial Engineering 2nd year, Operations management programme – Semester 3		
<u>Title of the modules/subjects</u>	ECTS	Teaching hours
Teaching Unit Flow management and multicriteria decision – WGUGESF4	6.0	54.0
Teaching Unit Transport logistics and operations research – WGULOGI9	6.0	54.0
Teaching Unit Research design in industrial engineering – WGURESE4	6.0	30.0
Choice of advanced options for the operations management programme (choose between 1 and 2 sub-elements)	6.0	59.3
Teaching Unit Operations research for logistics – 4GUL0206	6.0	75.0
Teaching Unit Advanced economics for industrial engineering – 5GUC0504	6.0	54.0
Teaching Unit Strategic management of the supply chain – 5GUC1804	6.0	54.0
Teaching Unit Methods in tactical and operational supply chain management – 5GUC2004	6.0	54.0
Teaching Unit Scheduling (ROCO) – 5GUC2204	6.0	36.0
Choice of opening options for the operations management programme (choose between 0 and 1 sub-elements)	0.0	0.0
Teaching Unit Industrialisation: Sustainable design of a workshop – 5GUC1004	6.0	54.0
Teaching Unit Product industrialization – 5GUC1104	6.0	54.0
Teaching Unit Total quality management – 5GUC1404	6.0	54.0
Teaching Unit Innovation management – 5GUC1504	6.0	54.0
Teaching Unit Purchasing management – 5GUC1604	6.0	54.0
Teaching Unit International project management – 5GUC1704	6.0	54.0
Teaching Unit Production and the environment – 5GUC2304	6.0	54.0
Teaching Unit Mathematical programming and industrial applications (ROCO) – 5GUC2404	6.0	36.0
Teaching Unit Strategies and organisations – 5GUC2604	6.0	54.0
Teaching Unit Industrial information systems – 5GUC2804	6.0	54.0
Optional modules (optional)	0.0	0.0
English for industrial engineering – 5GMC0218	1.5	21.0

Master in Industrial Engineering 2nd year, Operations management programme – Semester 4		
<u>Title of the modules/subjects</u>	ECTS	Teaching hours
Teaching Unit Internship and research paper – WGUSTAG9	30.0	0.0