

# Curriculum

## Industrial Engineering



First Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
HF-B02	Foreign language	compulsory	6
IPF-B01	Mathematics	compulsory	6
HFS-B02	Sustainable development	compulsory	6
IPF-B04 b	Physics	compulsory	6
IPF-B06 b	Chemistry	compulsory	6
Second Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
PHYS106	General physics	compulsory	6
MATH120	Calculus of functions of several variables	compulsory	6
MATH260	Basic Linear Algebra	compulsory	6
IE102	Industrial engineering	compulsory	6
ME105	Computer engineering graphics	compulsory	6
Third Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
MATH219	introduction differential equations	compulsory	6
ECON211	Economics	compulsory	6
IE241	Financial and Managerial accounting engineering	compulsory	6
IE251	linear programming	compulsory	6
IE265	introduction to probability	compulsory	6
Fourth Semester			
Code	Name of the lesson	compulsory/arbitrary	Credit
ME212	Principles of production engineering	compulsory	6
IE252	Network flows and integer program	compulsory	6
IE266	Engineering statistics	compulsory	6
METE230	Fundamentals of materials	compulsory	6
ENG211	Academic oral presentation skills	compulsory	6

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<b>Fifth Semester</b>			
Code	Name of the lesson	compulsory/arbitrary	Credit
IE300	Systems and control	compulsory	6
IE323	Production and service planning	compulsory	6
E333	Systems analysis and design	compulsory	6
IE347	Engineerin economy	compulsory	6
IE361	Stochastic	compulsory	6
<b>Sixth Semester</b>			
Code	Name of the lesson	compulsory/arbitrary	Credit
IE304	Production and service information systems	compulsory	6
IE324	Production planning	compulsory	6
IE368	Quality and planning control	compulsory	6
IE372	Simulation	compulsory	6
ME351	Heat power	compulsory	6
<b>Seventh Semester</b>			
Code	Name of the lesson	compulsory/arbitrary	Credit
IE404	Management for engineering	compulsory	6
IE422	Seminar in industrial	compulsory	6
	Green Building	compulsory	6
IE497	System design	compulsory	6
	Energy efficiency	compulsory	6
<b>Eighth Semester</b>			
Code	Name of the lesson	compulsory/arbitrary	Credit
	Thesis		30
	Thesis		30