

COURSES IN BASIC SCIENCES

Theoretical course requirement:

From the list of courses given below, the student should study at least one, as part of the requirements for the Master's degree.

Industrial Engineering and Management

096327*	Nonlinear Models in Operations Research
096575*	Non-Cooperative Games
097334	Integer Programming
098311	Optimization 1
098413*	Stochastic Processes
098414*	Theory of Statistics
098416	Theory of Probability

Mathematics

106156*	Mathematical Logic
106173	Game Theory
106349	Advanced Probability
106380*	Modern Algebra 1
106393*	Matrix Theory
106396*	Graph Theory
106383*	Algebraic Topology
108324*	Elements of Modern Analysis for Electrical Engineering
108327*	Functional Analysis for Electrical Engineering

Computer Science

236308*	algebraic graph theory and combinatorial designs
236313*	Complexity Theory
236359*	Algorithms 2
236374	Probabilistic Methods and Algorithms
236508*	Cryptography and Complexity
236518*	Communication Complexity

Physics

116031	Quantum Information Theory
117140*	Math. Methods in Physics-Groups
118081	Theory of Gravitation or 118130 Introduction to General Relativity
118122	Quantum Mechanics 3
118128*	Advanced Solid State Physics or 118138* Graduate Solid State
118132*	Quantum Field Theory 1
118137*	Atom Photon Interactions

* Courses marked * will not be given 2017-2018