

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
118130	Introduction to General Relativity
118132	Quantum Field Theory 1
118137	Atom Photon Interactions

* Courses marked * will not be given 2017-2018



