

Course Name	Prerequisite Course(s)
EMÜ321 – Stochastic Operations Research	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ322 – Simulation Modeling and Analysis	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ324-Applied Operations Research	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ331-Statistical Quality Control	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ334-Introduction to Regression Analysis	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ414-Mathematical Programming and Computer Applications	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ421-Multicriteria Decision Making	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ423-Network Flow Analysis	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ425-Engineering Optimization	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ428-Military Operations Research	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ429-Multi-Objective Combinatorial Optimization	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ431-Design of Engineering Experiments	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ432-Introduction to Data Mining	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ434-Reliability Analysis	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II

EMÜ436-Time Series Analysis and Forecasting	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ437-Probabilistic Risk Assessment and Decision Support	EMÜ231 – Probability and Statistics for Engineers I
	or
	EMÜ232 – Probability and Statistics for Engineers II
EMÜ438-Dynamic Decision Models	EMÜ321-Stochastic Operations Research
EMÜ439-Stochastic Processes	EMÜ321-Stochastic Operations Research
EMÜ441-Inventory Planning and Control	EMÜ341-Production and Planning and Control I
EMÜ444-Scheduling and Sequencing	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research
EMÜ447-Distribution Logistics	EMÜ221 – Introduction to Optimization and Modeling
	or
	EMÜ222 – Deterministic Operations Research