Department of Industrial Engineering
Department Courses Prerequisites
2023-2024 Academic Year

Prerequisites for Compulsory Courses	
Course Code and Name	**Course Prerequisites**
IE 212 Statistics	IE 211 Probability Theory
IE 232 Operations Research I	MAT 221 Linear Algebra
IE 331 Operations Research II	IE 232 Operations Research I
IE 341 Production Planning and Control I	IE 232 Operations Research I IE 211 Probability Theory
IE 312 Simulation	IE 212 Statistics
IE 342 Production Planning and Control II	IE 341 Production Planning and Control I
IE 401 Senior Design Project I	IE 331 Operations Research II
IE 474 Project Management	IE 232 Operations Research I
IE 402 Senior Design Project II	IE 401 Senior Design Project I
IE 448 Decision Analysis	IE 212 Statistics
IE 462 Quality Control Management	IE 212 Statistics

Prerequisites for Elective Courses	
Course Code and Name	**Course Prerequisites**
IE 301 Computing for Industrial Engineers	CENG 111 Computer Programming I
IE 363 Quality Assurance and Reliability	IE 211 Probability Theory
IE 414 Decision Support Systems	IE 212 Statistics IE 232 Operations Research I
IE 431 Applied Operations Research	IE 232 Operations Research I
IE 441 Facility Design	IE 232 Operations Research I
IE 443 Forecasting Methods and Applications	IE 212 Statistics
IE 444 Scheduling	IE 232 Operations Research I
IE 446 Design and Analysis of Experiments	IE 212 Statistics
IE 447 Stochastic Models	IE 211 Probability Theory
IE 455 Discrete Optimization	IE 232 Operations Research I IE 331 Operations Research II
IE 456 Heuristic Algorithms	IE 232 Operations Research I IE 331 Operations Research II