

## Approved MEng IEOR Technical Electives

Note that only a subset of these courses is offered in any specific semester. Check availability in the class schedule on the Berkeley Academic Guide webpage.

INDENG 215 Analysis and Design of Databases 3 Units  
INDENG 220 Economics and Dynamics of Production 3 Units  
INDENG 221 Introduction to Financial Engineering 3 Units  
INDENG 222 Financial Engineering Systems I 3 Units  
INDENG 223 Financial Engineering Systems II 3 Units  
INDENG 224 Portfolio and Risk Analytics 3 Units  
INDENG C227A Introduction to Convex Optimization 4 Units  
INDENG C227B Convex Optimization and Approximation 3 Units  
INDENG 231 Introduction to Data Modeling, Statistics, and System Simulation 3 Units  
INDENG 235 Data, Systems and Signals  
INDENG 240 Optimization Analytics 3 Units  
INDENG 241 Risk Modeling, Simulation, and Data Analysis 3 Units  
INDENG 242 Applications in Data Analysis 3 Units  
INDENG 248 Supply Chain Innovation, Strategy, and Analytics 3 Units  
INDENG 250 Introduction to Production Planning and Logistics Models 3 Units  
INDENG 251 Facilities Design and Logistics 3 Units  
INDENG 252 Service Operations Management 3 Units  
INDENG 253 Supply Chain Operation and Management 3 Units  
INDENG C253 Supply Chain and Logistics Management 3 Units  
INDENG 254 Production and Inventory Systems 3 Units  
INDENG 258 Control and Optimization for Power Systems 3 Units  
INDENG 261 Experimenting with Simulated Systems 3 Units  
INDENG 262A Mathematical Programming I 4 Units  
INDENG 262B Mathematical Programming II 3 Units  
INDENG 263A Applied Stochastic Process I 4 Units  
INDENG 263B Applied Stochastic Process II 3 Units  
INDENG 264 Computational Optimization 3 Units  
INDENG 265 Learning and Optimization 3 Units  
INDENG 266 Network Flows and Graphs 3 Units  
INDENG 267 Queueing Theory 3 Units  
INDENG 268 Applied Dynamic Programming 3 Units  
INDENG 269 Integer Programming and Combinatorial Optimization 3 Units  
INDENG 290 Special Topics in Industrial Engineering and Operation Research  
    -004 Algorithms for Data Science 3 Units  
INDENG 290 Special Topics in Industrial Engineering and Operation Research  
    -005 Data-X 3 Units

INDENG 290 Special Topics in Industrial Engineering and Operation Research  
-004 Stochastics 3 Units (Spring 2021)