

Industrial & Systems Engineering electives list

Industrial & Systems Engineering (ISE) Electives

- Any 4000-level ISE course not required in the curriculum (usually will be research/special studies) and any ISE course 5000-level (see exceptions below).
- All 5000-level courses will require instructor permission. Check with department for course offerings. Email instructor for permission and copy melodi@ou.edu for an override.

NOT approved for electives (cross- and slash-listed courses)

- **ISE 3293** Applied Engineering Statistics = **ISE/DSA 5013** Fundamentals of Engineering Statistical Analysis
- **ISE 4553** Data-Driven Decision Making I = **ISE 5553** Data-Driven Decision Making I
- **ISE 4563** Quality & Reliability Engr = **ISE 5563** Quality & Reliability Engr
- **ISE 4383** Systems Evaluation = **ISE 5383** Systems Evaluation
- **ISE 4623** Deterministic Systems Model = **ISE 5023** Systems Optimization
- **ISE 4663** Systems Analysis Using Simulation = **ISE 5663** Systems Analysis Using Simulation
- **ISE 4853** Data-Driven Decision Making II = **ISE 5853** Data-Driven Decision Making II

Technical Electives

- Any course in the Gallogly College of Engineering that is 3000-level or above may be used as a technical elective. Ex. ENGR 4013 Leadership & Management, ENGR 3051 Experiential Leadership (repeat for 3 hours), AME 3000+ level course, CS 3000+ level course, etc.
- ENGR 3611 Business Principles for Engineers and Scientists
- ENGR 3621 Finance and Accounting for Engineers and Scientists
- ENGR 3631 Investment Decisions for Engineers and Scientists
- ROTC students may use any 3000-level and above AERO, MS, or NS course.
- Additional approved courses:*
- § ACCT 3313 Cost Accounting
 - FIN 3603 Advanced Corporate Finance
 - MGT 3363 Organizational Behavior
 - SCM 3223 Logistics Management
 - ECON 4223 Econometric Analysis
 - CS 2413 Data Structures
 - ENGL 3153 Technical Writing (email techwrit@ou.edu for permission)

*For the Price College of Business courses, non-business major students cannot enroll in a course until one week before classes start.

Math Electives

- MATH 3333 Linear Algebra (*strongly recommended*)
- MATH 3113 Intro to Differential Equations
- MATH 2513 Discrete Math Structures
- MATH 3413 Physical Math I
- MATH 3513 Foundations of Analysis
- MATH 3613 Modern Geometry
- MATH 4433 Intro to Analysis I

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