

University of Indianapolis – Shaheen College of Arts & Sciences: R.B. Annis School of Engineering
2025-2025 Curriculum Guide for Industrial and Systems Engineering concentration (ISEN)
Concentration

Required Courses (9 credits):

- ISEN 210 Introduction to Industrial Engineering (3)
- ISEN 220 Process Modeling and Simulation (3)
- MATH 350 Probability and Statistics I (3)

Elective Courses (6 credits):

- ISEN 300 Human Factors Engineering and Ergonomics (3)
- ISEN 320 Facilities Planning (3)
- ISEN 335 Operations Research I (3)
- ISEN 340 Operations Research II (3)
- ISEN 410 Introduction to Systems Engineering and Design (3)
- ISEN 460 Introduction to System Architecture and Design (3)
- ENGR 210 Engineering Economics (3)

Total Hours: 15 credit hours

NOTES: A grade of C- (1.7 on a 4.0 scale) or higher is required in all courses applying towards this concentration.

REMEMBER: If you have any questions about the Computer Engineering concentration requirements, contact a faculty advisor from the R. B. Annis School of Engineering (Kenneth Reid, 788-3657; Annis Hall, Room 105) or your academic advisor. Courses and requirements sometimes change so keep in contact with your advisor.