

# INDUSTRIAL ENGINEERING (I E)

## **I E 2281. Engineering Co-Op Program. 1 Credit Hour.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 2303. Design And Manufacturing Processes. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 2311. Computer Aided Design And Graphics Laboratory For I E. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 2823. Enterprise Engineering. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 2960. Directed Reading. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3253. Norman Course. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3293. Applied Engineering Statistics. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3304. Design And Manufacturing Ii. 4 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3960. Honors Reading. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3970. Honors Seminar. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3980. Honors Research. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 3990. Special Topics. 1-3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4113. Decision Support System For Industrial Engineers. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4223. Fundamentals Of Engineering Economy. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4333. Production Systems And Operations. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4363. Facility Planning, Warehousing, And Material Handling. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4393. Capstone Design Project. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4553. Engineering Experimental Design. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4563. Quality Engineering. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4623. Systems Modeling And Optimization. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

## **I E 4633. Applied Engineering Optimization. 3 Credit Hours.**

### **Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4663. Systems Analysis Using Simulation. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4713. Mgt Engr Function. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4753. Unknown. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4804. Ergonomics in Systems Design. 4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4823. Ergonomics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4824. Ergonomics. 4 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4833. Research Techniques-Ergonomics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4853. Applied Research Methods. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4970. Special Topics/Seminar. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 4990. Special Studies. 1-3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5013. Statistical Analysis. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5023. Systems Optimization. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5123. Advanced Computer Programming For Industrial Engineers. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5253. Comp Systems Analysis-Management. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5263. Introduction To Expert Systems. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5303. Computer-Aided Manufacturing. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5313. Advanced Metal Cutting. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5323. Advanced Production Systems And Operations. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5343. Reliability In Engineering Design. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5353. Design Of Quality Assurance Systems. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5363. Facility Planning, Warehousing, And Material Handling. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5393. Intro-CAD Tissue Engineering. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5423. Advanced Engineering Economics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5513. Engineering Decision Analysis. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5523. Applied Probabilistic Models In Industrial Engineering. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5553. Engineering Experimental Design. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5563. Quality Engineering. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5573. Statistical Analysis Of Simulation Models. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5613. Multicriteria Optimization. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5623. Linear Programming. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5633. Supply Chain Mgt & Transport. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5643. Engineering Optimization. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5653. Engineering Network Flow Analysis. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5663. Simulation I. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5673. Simulation Ii. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5683. Applied Operations Research. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5713. Engineering Project Management. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5743. Management Of The Engineering Function. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5753. Organization Systems. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5803. Ergonomics-Complex Systems. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5813. Information Ergonomics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5823. Exercise Physiology. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5833. Ergonomics In Safety Research And Practice. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5843. Biomechanics. 3 Credit Hours.****Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5853. Applied Research Methods. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5863. Product Usability. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5970. Seminar In Industrial Engineering. 1-3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5980. Research For Master's Thesis. 2-9 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 5990. Special Studies. 1-4 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6343. Design Of Production Systems. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6623. Nonlinear Programming. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6643. Integer Programming. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6663. Advanced Simulation Topics. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6673. Support Vector Machines. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6833. Ergonomic Issues In Product Design. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6853. Human Factors In Computer Systems. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6883. Case Studies In Human Factors. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6933. Special Topics In Industrial Engineering. 3 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6980. Research For Doctoral Dissertation. 2-16 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).

**I E 6990. Special Studies In Industrial Engineering. 1-4 Credit Hours.**

**Course Type:** Lecture

This course is facilitated by the University of Oklahoma Norman Campus. For more information, please visit the OU Course Catalog (<https://ou-public.courseleaf.com/courses/>).