

Industrial and Systems Engineering, Minor

Requirements

The minor in industrial and systems engineering minor requires 15 s.h. Students must maintain a grade-point average of at least 2.00 in all work for the minor. Coursework in the minor may not be taken pass/nonpass. Courses graded S/F may be used at the discretion of the offering department or program. A maximum of 6 s.h. of transfer credit may be counted toward the minor with advisor approval.

The minor may be earned by students enrolled in an undergraduate degree-seeking program at the University of Iowa. Students who earn a minor in industrial and systems engineering may not earn the BSE in industrial engineering.

The minor in industrial and systems engineering requires the following coursework.

Required Courses

Course #	Title	Hours
Both of these:		
ISE:2500	Engineering Economy	3
ISE:3660	Data Analytics With R	3

Elective Courses

Elective courses numbered 5000 or above may only be taken by undergraduates with instructor or departmental approval.

Course #	Title	Hours
Three of these for 9 s.h.:		
ISE:2360	Design for Manufacturing	3
ISE:3300	Manufacturing Systems	3
ISE:3350	Process Engineering	3
ISE:3400	Human Factors	3
ISE:3450	Ergonomics	3
ISE:3500	Information Systems Design	3
ISE:3610	Stochastic Modeling	3
ISE:3660	Data Analytics With R	3
ISE:3700	Operations Research	3
ISE:3750	Digital Systems Simulation	3
ISE:5380	Deep Learning	3
ISE:5520	Renewable Energy	3
ISE:5650	Mechatronics Engineering for Smart Device Design	3
ISE:6420	Human/Computer Interaction	3
ISE:6480	Unmanned Aircraft Systems	3
ISE:6790	Advanced Data Analytics and Informatics	3