

Industrial Engineering, PhD

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Industrial Engineering, PhD

Course	Title	Hours
Academic Career		
Any Semester		
72 s.h. must be graduate level coursework; graduate transfer credits allowed upon approval. More information is included in the General Catalog and on department website. ^a		
Graduate College program GPA of at least 3.50 is required. ^b		
Hours		0
First Year		
Fall		
ENGR:7270	Engineering Ethics ^c	1
ISE:5000	Graduate Seminar: Industrial Engineering ^d	1
ISE:7999	Research: Industrial Engineering PhD Dissertation	3
Analytics focus area course ^e		3
Human factors focus area course ^e		3
Hours		11
Spring		
Exam: Doctoral Qualifying Exam ^f		
ISE:5000	Graduate Seminar: Industrial Engineering ^d	1
ISE:7999	Research: Industrial Engineering PhD Dissertation	3
Analytics focus area course ^e		3
Systems focus area course ^e		3
Hours		10
Second Year		
Fall		
ISE:5000	Graduate Seminar: Industrial Engineering ^d	1
ISE:7999	Research: Industrial Engineering PhD Dissertation	3
Human factors focus area course ^e		3
Systems focus area course ^e		3
Hours		10
Spring		
ISE:7999	Research: Industrial Engineering PhD Dissertation	3
Elective course ^g		3
Elective course ^g		3
Hours		9

Third Year Any Semester

Exam: Doctoral Comprehensive Exam ^h		
Hours		0
Fall		
ISE:5000	Graduate Seminar: Industrial Engineering ^d	1
ISE:7999	Research: Industrial Engineering PhD Dissertation	8
Hours		9
Spring		
ISE:7999	Research: Industrial Engineering PhD Dissertation	9
Hours		9
Fourth Year		
Fall		
ISE:5000	Graduate Seminar: Industrial Engineering ^d	1
ISE:7999	Research: Industrial Engineering PhD Dissertation	8
Hours		9
Spring		
ISE:7999	Research: Industrial Engineering PhD Dissertation	5
Exam: Doctoral Final Exam ⁱ		
Hours		5
Total Hours		72

- a Students must complete specific requirements in the University of Iowa Graduate College after program admission. Refer to the Graduate College website and the Manual of Rules and Regulations for more information.
- b Graduate College program GPA is comprised of all courses that are approved degree requirements. If a student takes more than the minimum required number of semester hours to complete the degree, but all courses taken are eligible to count toward the degree, those courses will be included in the Graduate College program GPA.
- c Students must enroll in ENGR:7270, typically in the first or second semester of enrollment; may count towards total semester hours for the degree.
- d ISE:5000 must be taken in the first two consecutive semesters of enrollment, and one semester (fall or spring) in subsequent academic years; may count towards total semester hours for the degree.
- e Students must complete at least 6 s.h. in approved ISE courses numbered 5000 or above in each of the three focus areas: analytics, human factors, and systems. See the General Catalog for list of approved courses.
- f Typically taken during the second semester of enrollment; more information is found in the General Catalog and on department website.
- g Work with faculty advisor to determine appropriate graduate elective coursework and sequence.
- h Written and oral exam to be completed after passing the qualifying exam and upon completion of required coursework; typically done by the end of third year.
- i Dissertation defense.