



College of Engineering

School of Mechanical, Industrial and Manufacturing Engineering

INDUSTRIAL ENGINEERING MINOR

Industrial Engineering is concerned with the design, analysis, control, and enhancement of complex processes and systems used in a wide range of applications. The discipline is central to manufacturing operations, but also a vital function in other fields. A Minor in Industrial Engineering is available to non-IE majors who have previously taken at least one course in each of the following preparatory areas: linear algebra, statistics, and Physics. Courses for the minor may be taken 100% on-campus or a combination of on campus and Ecampus.

Required	Credits
Core:	
ENGR 390 Engineering Economy	3
IE 355 Quantitative Methods for System Analysis and Improvement	4
IE 366 Work Systems Engineering	4
IE 367 Production Planning and Control	4
IE368 Facility Design and Operations Mang.	4
**Elective Coursework	8-11
	27-30

Please, see a MIME Advisor for more information.



For more information visit:

<https://catalog.oregonstate.edu/collegedepartments/engineering/school-mechanical-industrial-manufacturing-engineering/industrial-engineering-minor/#requirements>

School of Mechanical, Industrial and Manufacturing Engineering

Industrial Engineering MINOR COURSEWORK

IE Core (19 credits):

Course	Course Name	Credits	Prerequisites	SU	F	W	SP
ENGR 390	Engineering Economy	3	None	Ecampus			
IE 355	Quantitative Methods for System Analysis and Improvement	4	IE 255 or (ST 314 and ME 203). A minimum grade of C is required				
IE 366	Work Systems Engineering	4	(IE 255 or ST 314) and (PH 212 or 212H) and (PH 213 or 213H). A minimum grade of C is required				
IE 367	Production Planning and Control	4	IE 255 or ST 314. A minimum grade of C is required				
IE 368	Facility Design and Operations Management	4	ENGR 248 and (IE 255 or ST 314). A minimum grade of C is required				

Elective Courses (8-11 credits):

Course	Course Name	Credits	Prerequisites	SU	F	W	SP
Track 1: Take 3 courses, ME 203, one ECON course and one of the last three.							
ME 203	Computational Methods for Engineering	3	MTH 24, ENGR 103 A minimum grade of C is required				
ECON 201 or 202	+*INTRO TO MICRO +*INTRO TO MACRO	4	None				
CBEE 213 or	Process Data Analysis	4	CBEE 212*, 212H* or 280*. * May be taken concurrently. A minimum grade of C is required	Ecampus			
IE 255 or	Introductory Quantitative Analysis of Industrial and Manufacturing Systems	4	MTH 252 or 252H and IE 212. A minimum grade of C is required				
ST 314	Statistics for Engineers	3	MTH 252 or 252H. A minimum grade of D- is required	Ecampus			
Track 2							
IE 212	Computational Methods for Industrial Engineering	4	ENGR 103 or 103H. A minimum grade of C is required				
IE 255	Introductory Quantitative Analysis of Industrial and Manufacturing Systems	4	MTH 252 or 252H and IE 212. A minimum grade of C is required				