

# INDUSTRIAL ENGINEERING (SYSTEMS ENGINEERING) - MASTER OF ENGINEERING IN INDUSTRIAL ENGINEERING (ONLINE)

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Below is a recommended roadmap tailored for full-time students, considering enrollment in three courses per semester. It's important to highlight that the suggested degree program is flexible and can be pursued by part-time students taking one or two courses per semester, including summer sessions, based on individual preferences. For alternative plans of study and additional details, feel free to reach out to the program director or faculty advisor.

## First Year

Fall		Credits
IE 456	Large Scale Systems Engineering	3
IE 459	Systems Thinking and Decision Making	3
IE 561	Advanced Safety Engineering	3
<b>Credits</b>		<b>9</b>

## Spring

IE 451	Engineering Economy	3
IE 466	Reliability	3
IE 563	Topics in Engineering Administration	3
<b>Credits</b>		<b>9</b>

## Second Year

Fall		Credits
IE 533	Linear Programming	3
IE 535	Discrete Optimization	3
IE 567	Design and Implementation of Discrete-Event Simulation	3
<b>Credits</b>		<b>9</b>
Spring		Credits
Elective from the Approved Elective List <sup>1</sup>		3
<b>Credits</b>		<b>3</b>
<b>Total Credits</b>		<b>30</b>

<sup>1</sup> The optional courses outside the department and/or the college should be previously approved by the academic advisor. See your advisor for more detailed information about selecting elective courses.