

# DOCTOR OF PHILOSOPHY IN INDUSTRIAL SYSTEM ENGINEERING

## Curriculum Structure

### The PhD Program (Total 60 Cr Hrs)

Curriculum Components	Total Courses	Total Cr Hrs
Core Courses	1	3
Elective Courses in Major	3	9
Thesis	1	48
<b>Total</b>	<b>5</b>	<b>60</b>

### Core courses

Core courses	
Course ID	Course Title
DENG 702	Applied Research Methodology

### Concentration Courses

Elective courses	
Course ID	Course Title
IENG 756	Supply Chain and Logistics
IENG 757	Systems Analysis and Design
IENG 758	Robotics and Automation Technology
IENG 751	Advanced Special Topics I

## Study Plan

First Semester (6 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	DENG 702	Applied Research Methodology	3
	IENG XXX	Elective Course I	3
<b>Total</b>			<b>6</b>
Second Semester (6 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	IENG XXX	Elective Course II	3
	IENG XXX	Elective Course III	3
<b>Total</b>			<b>6</b>
Third Semester (12 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	IENG 899	PhD Thesis	12
		Candidacy Exam	
<b>Total</b>			<b>12</b>
Fourth Semester (12 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	IENG 899	PhD Thesis	12
<b>Total</b>			<b>12</b>
Fifth Semester (12 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Fall	IENG 899	PhD Thesis	12
<b>Total</b>			<b>12</b>
Sixth Semester (12 Cr Hrs)			
Term	Course #	Course Title	Cr Hrs
Spring	IENG 899	PhD Thesis	12
		Oral Defense	
<b>Total</b>			<b>12</b>

