

CLEVELAND STATE UNIVERSITY

Name _____ I.D. No. _____

INDUSTRIAL ENGINEERING Curriculum Sheet

<u>Fall Semester – Year 1</u>		<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 1</u>		<u>Cr.</u>	<u>Grade</u>
ENG 101 English I	4	_____	ENG 102 English II	3	_____		
MTH 181 Calculus I	4	_____	ENG 105 Writing Center I	2	_____		
CHM 261 General Chemistry I	4	_____	MTH 182 Calculus II	4	_____		
CHM 266 General Chemistry Lab I	1	_____	PHY 243 University Physics I (Writing)	5	_____		
ESC 120 Introduction to Engineering Design***	2	_____	CSC 121 Career Orientation**	1	_____		
ESC 100 New Student Orientation*	1	_____	Gen Ed Elective_____	3	_____		
<u>Fall Semester – Year 2</u>		<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 2</u>		<u>Cr.</u>	<u>Grade</u>
MTH 284 Matrices for Engineers	2	_____	ESC 203 Statics and Dynamics	4	_____		
PHY 244 University Physics II (Writing)	5	_____	ESC 310 Engineering Statistics and Probability	3	_____		
ESC 151 C Programming	3	_____	ESC 321 Thermodynamics I	3	_____		
ESC 250 Differential Equations for Engineers	3	_____	COM 242 Public & Professional Speaking	3	_____		
ESC 270 Materials Science	3	_____	Gen Ed Elective_____	3	_____		
<u>Fall Semester – Year 3</u>		<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 3</u>		<u>Cr.</u>	<u>Grade</u>
IME 250 Material Processing and Methods	3	_____	IME 331 Operations Research II	3	_____		
IME 251 Material Processing and Methods Lab	1	_____	IME 405 Industrial Ergonomics	3	_____		
IME 304 Work Methods and Measurements	3	_____	IME 410 Statistical Quality Control	3	_____		
IME 305 Work Methods and Measurements Lab	1	_____	IME 477 Facility Planning	3	_____		
IME 320 Engineering Experimental Design	3	_____	IME 478 Facility Planning Lab	1	_____		
IME 330 Operations Research I	3	_____	PHL 215 Engineering Ethics (Writing)	3	_____		
ESC 282 Engineering Economy	3	_____					
<u>Fall Semester – Year 4</u>		<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 4</u>		<u>Cr.</u>	<u>Grade</u>
IME 465 Manufacturing Systems Engineering	3	_____	IME 470 Production Planning and Control	3	_____		
IME 475 Systems Simulation	3	_____	IME 481 Senior Design (Writing)	2	_____		
IME 480 Engineering Design (Writing)	3	_____	Tech. Elective_____	3	_____		
Tech. Elective_____	3	_____	Gen Ed Elective_____	3	_____		
Gen Ed Elective_____	3	_____	Gen Ed Elective_____	3	_____		

* Not required for transfer students

** Required for all Industrial Engineering students.

*** Required for freshmen and transfer students admitted to Engineering College Fall 2003 and after.

Minimum number of credits required for degree: (excluding orientation): 128