

# INDUSTRIAL ENGINEERING CURRICULUM

## CLASS OF 2020/2021

Freshman Year	(17 cr. hrs.)	(18 cr. hrs.)
01:160:159 Gen Chem for Eng.	3	01:160:160 Gen Chem for Eng. 3
01:160:171 Intro to Experiment	1	01:640:152 Calc Math Phy Sci 4
01:355:101 Expository Writing	3	01:750:124 Analytic Physics IB 2
01:640:151 Calc Math Phy Sci	4	14:440:127 Intro to Computers 3
01:750:123 Analytic Physics IA	2	14:440:221 Engr Mech-Statics 3
14:440:100 Intro to Engr	1	__:__:__ Hum/Soc Elective 3
__:__:__ Hum/Soc. Elective	3	

Sophomore Year	(17 cr. hrs.)	(16 cr. hrs.)
01:640:251 Multivar Calc	4	01:220:102 Intro to Micro Econ 3
01:750:227 Analytic Phys IIA	3	01:640:244 Diff Eqns Eng & Ph 4
01:750:229 Anal Phys II Lab	1	14:440:222 Engr Mech-Dyn. 3M
33:010:310 Account for Eng.	3	14:540:210 Eng. Probability 3M
14:540:201 Work Des & Ergo	3M	01:355:302 Sci & Tech Writing 3
14:540:202 Work Des Lab	1M	
14:540:213 IE Lab	2M	

Junior Year	(17 cr. hrs.)	(16 cr. hrs.)
14:540:320 Eng Statistics	3M	14:540:303 Mfg. Processes 3M
14:180:215 Eng. Graphics	1M	14:540:304 Mfg. Processes Lab 1M
14:332:373 Elements of EE	3M	14:540:311 Deter. Models in OR 3M
14:635:407 Mech. Prop Materials	3M	14:540:343 Eng. Economics 3M
14:540:338 Prob. Models in OR	3M	14:540:384 Simulat. Models IE 3M
14:540:382 Comp. Contr Mfg Sys	3M	14:540:399 Design of Eng Syst I 3M
14:540:383 Comp. Contr Lab	1M	

Senior Year	(13 cr. hrs.)	(15 cr. hrs.)
14:540:400 Design of Eng Syst. II	3M	14:540:462 Fac Layout & MH 3M
14:540:433 Quality Eng & Stat	3M	__:__:__ Dpt/Tech Elec (List A) 3M
14:540:434 Quality Eng. Lab	1M	__:__:__ Dpt/Tech Elec (List B) 3M
14:540:453 Prod Plan & Control	3M	__:__:__ Hum/Soc Elective 3
14:332:402 Sustainable Energy	3M	__:__:__ Hum/Soc Elective 3

**M - Course is included in major average.**

**Total credit hours: 129**

**Major credit hours total: 67**

# INDUSTRIAL ENGINEERING CURRICULUM

## CLASS OF 2022/2023/2024

<b>Freshman Year</b>	(17 cr. hrs.)	(18 cr. hrs.)
01:160:159 Gen Chem for Eng.	3	01:160:160 Gen Chem for Eng. 3
01:160:171 Intro to Experiment	1	01:640:152 Calc Math Phy Sci 4
01:355:101 Expository Writing	3	01:750:124 Analytic Physics IB 2
01:640:151 Calc Math Phy Sci	4	14:440:127 Intro to Computers 3
01:750:123 Analytic Physics IA	2	14:440:221 Engr Mech-Statics 3
14:440:100 Intro to Engr	1	__:__:__ Hum/Soc Elective 3
__:__:__ Hum/Soc. Elective	3	

<b>Sophomore Year</b>	(17 cr. hrs.)	(16 cr. hrs.)
01:640:251 Multivar Calc	4	01:640:244 Diff Eqns Eng & Ph 4
01:750:227 Analytic Phys IIA	3	14:540:343 Eng. Economics 3M
01:750:229 Anal Phys II Lab	1	14:540:210 Eng Probability 3M
33:010:310 Account for Eng.	3	01:355:302 Sci & Tech Writing 3
14:540:201 Work Des & Ergo	3M	14:440:222 Eng Mech-Dyn 3M
14:540:202 Work Des Lab	1M	
14:540:213 IE Lab	2M	

<b>Junior Year</b>	(17 cr. hrs.)	(16 cr. hrs.)
14:540:320 Eng Statistics	3M	14:540:303 Mfg. Processes 3M
14:180:215 Eng. Graphics	1M	14:540:304 Mfg. Processes Lab 1M
14:332:373 Elements of EE	3M	14:540:311 Deter. Models in OR 3M
14:635:407 Mech. Prop Materials	3M	14:540:384 Simulat. Models IE 3M
14:540:338 Prob. Models in OR	3M	14:540:399 Design of Eng Syst I 3M
14:540:382 Comp. Contr Mfg Sys	3M	__:__:__ Dpt/Tech Elec (List B) 3M
14:540:383 Comp. Contr Lab	1M	

<b>Senior Year</b>	(13 cr. hrs.)	(15 cr. hrs.)
14:540:400 Design of Eng Syst. II	3M	14:540:462 Fac Layout & MH 3M
14:540:433 Quality Eng	3M	__:__:__ Dpt/Tech Elec (List A) 3M
14:540:434 Quality Eng. Lab	1M	__:__:__ Dpt/Tech Elec (List B) 3M
14:540:453 Prod Plan & Control	3M	__:__:__ Hum/Soc Elective 3
14:332:402 Sustainable Energy	3M	__:__:__ Hum/Soc Elective 3

**M - Course is included in major average.**

**Total credit hours: 129**

**Major credit hours total: 67**