

BS in Industrial Engineering 4 Year Plan (2019-2020)

Name: _____
CWID: _____

Fall Semester

Spring Semester

Eng 1301 College Reading & Writing (3)____
 Component Option Area Elective (see catalog) (3)____
 ENGR 111 Computer-Aided Design (3)____
 Math 2413 Calculus I (4)____
 ENGR 110 Introduction to Engineering & Technology (3)____

Eng 1302 Written Argument & Research (3)____
 Hist 1301 US History from 1877 (3)____
 ENGR 113 Product Design & Development (3)____
 Math 2414 Calculus II (4)____
 Phys 2425 University Physics I (4)____

Semester Total 16

Semester Total 17

ENGR 210 Engineering Mechanics (3)____
 ENGR 201 Computing for Engineers (3)____
 Math 315 Differential Equations (3)____
 COSC 1436 Programming Fundamentals (4)____
 Hist 1302 US History to 1865 (3)____

Phys 2426 University Physics II (4)____
 ENGR 207 Engineering Economic Analysis (3)____
 ENGR 213 Engineering Statistics (3)____
 MATH 335 Linear Algebra (3)____
 Psci 2305 Pr US TX Gov (3)____

Semester Total 16

Semester Total 16

Eco 2302 Principle of Micro Econ (3)____
 IE 312 Industrial Operations Research I (3)____
 IE 311 Data Analytics (3)____
 Psci 2306 US & Tx Gov Inst & Policies (3)____
 Chem 1311 Gen & Quantitative Chemistry (3)____
 Chem 1311 Gen & Quantitative Chemistry Lab (1)____

IE 305 Facilities Planning & Management (3)____
 IE 313 Industrial Operations Research II (3)____
 IE 314 Statistical Quality Control (3)____
 IE 410 Systems Simulations (3)____
 IE 318 Analysis of Production Systems (3)____

Semester Total 16

Semester Total 15

ENGR 411 Engineering Management (3)____
 IE 431 Manufacturing Support Systems (3)____
 IE 403 Human Factors Engineering (3)____
 IE 409 Work Design (3)____
 IE 471 Planning for Industrial Systems design (3)____

IE 444 Systems Engineering (3)____
 IE 486 Service Systems Analysis (3)____
 IE 495 Industrial Systems Design (3)____
 Elective: US Hum/Perf. Arts (3)____
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Semester Total 15

Semester Total 15

Program Total: 126 credit hours