

Flowchart

USF BS in Industrial Engineering (B.S.I.E.)

2024-25 Catalog, 120 hours

Lower Division Status				Upper Division Status				
Year 1		Year 2		Summers	Year 3		Year 4	
Fall 14 hrs	Spring 17 hrs	Fall 13 hrs	Spring 15 hrs	10 hrs	Fall 15 hrs	Spring 12 hrs	Fall 12 hrs	Spring 12 hrs

CHS 2440
Chemistry for
Engineers or
CHM 2045
3 hrs F, S, Su

CHS 2440L
Chemistry for
Engineers Lab
or CHM 2045L
1 hr F, S, Su

MAC 2281 or
MAC 2311
Calculus I
4 hrs F, S, Su

EGN 3000L
Foundations of
Eng Lab
(Creative
Thinking)
3 hrs F, S

EGN 3000
Foundations of
Engineering
Required F, S

PHY 2048L
General
Physics I Lab
1 hr F, S, Su

PHY 2048
General
Physics I
3 hrs F, S, Su

MAC 2282 or
MAC 2312
Calculus II
4 hrs F, S, Su

St. GenEd Core
Social Science
Elective
3 hrs F, S, Su

St. GenEd Core
Humanities
Elective
3 hrs F, S, Su

PHY 2049L
General
Physics II Lab
1 hr F, S, Su

PHY 2049
General
Physics II
3 hrs F, S, Su

MAC 2283 or
MAC 2313
Calculus III
4 hrs F, S, Su

EGN 3373
Electrical
Systems I
3 hrs F, S, Su

ENC 1102
Composition II
3 hrs F, S, Su


EGN 1113
Intro to Design
Graphics
3 hrs F, S, Su

ENC 3246
Communication
for Engineers
3 hrs F, S, Su

EGN 3433
Mod Analysis
Eng Sys OR
MAP 2302
Diff Equations
3 hrs F, S, Su

EGN 3615
Eng Economics
(Human & Cult
Diversity)
3 hrs F, S, Su

ENC 1101
Composition I
3 hrs F, S, Su

<p>F = Fall S = Spring Su = Summer (tentative)</p> <p>→ Pre-requisite - - - -> Pre/Co-requisite - - - - Co</p>	<p>A cumulative GPA of 3.0 is required in bold-bordered courses to be eligible for Progression to Upper Division, min grade C in ea., best attempt. Req. 2.5 USF & Overall GPA.</p> <p></p>
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