

Bachelor of Science in Industrial Engineering

Course		Course Title		Units
Fall (Year 1, Semester 1)				
A1	A1	COMM 100/104		3
	LD Major/D1	PSYC 100	General Psychology	3
Satisfaction of ELM course	LD Major/B3	CHEM 110	General Chemistry for Engineering	3
C- or better in MATH 131	LD Major/B4	MATH 130	Calculus I	4
Co-requisites MATH 130	LD Major/B1	PHYS 135	Physics for Scientists and Engrs. I	4
Total Units:				17

Fall (Year 2, Semester 3)				
PHYS 135	LD Major	ENGR 220	Statics	3
Math 130	LD Major	Math 210	Linear Algebra & Differential Equations	3
Math 130	UD Major	INDE 330	Engineering Statistics and Probability	3
	B2		Student Choice	3
	C1		Student Choice	3
Total Units:				15

Fall (Year 3, Semester 5)				
MATH 130	UD Major	ENGR 320	Engr. Economics	3
MATH 131	UD Major	INDE 360	Operations Research	4
STAT 100/INDE 330/STAT 316	B6	INDE 390	Human Factors and Work Methods	4
	D2		Student Choice	3
Total Units:				14

Fall (Year 4, Semester 7)				
ENGR 330/INDE 360	UD Major	INDE 440	Sustainable Production and Supply Systems	3
ENRG 215/INDE 330 co-requisites INDE 360	UD Major	INDE 420	Discrete Event Simulation	3
UD Major	C4		Student Choice	4
D4	D4		Student Choice	3
UD Math*	UD Math*		Student Choice	3
Total Units:				16

Course		Course Title		Units
Spring (Year 1, Semester 2)				
Math 130/PHYS 135	LD Major	PHYS 136	Physics for Scientists and Engrs. II	4
Math 130	LD Major	MATH 131	Calculus II	3
	A2	ENGL 102	Accelerated College Writing	3
	W II/WID	ENGR 200	Intro. To Design and Engr.	3
Total Units:				13

Spring (Year 2, Semester 4)				
	A3	PHIL 100	Workshop in Clear Thinking	3
MATH 131	LD Major	ENGR 215	Comput. Methods in Engr.	3
PHYS 136/MATH 210	LD Major	ENGR 230	Electric Circuits I	3
INDE 330/STAT 316	UD Major	INDE 340	Design of Engr. Experiments	3
	C2		Student Choice	3
Total Units:				15

Spring (Year 3, Semester 6)				
INDE 390	UD Major	INDE 430	Design of Work Systems	3
INDE 210	UD Major	INDE 410	Facilities Plan. Dsgn. and Mat. Handling	3
	D3		Student Choice	4
	UD Math*		Student Choice	3
	C4		Student Choice	3
Total Units:				13

Spring (Year 4, Semester 8)				
ENGR 210/INDE 330	UD Major	INDE 450	Systems Quality and Reliability	4
Completion/enrollment in any 3: INDE 410, INDE 420, INDE 440, INDE 450, INDE 460	UD Major	INDE 492	Senior Design	4
INDE 360	UD Major	INDE 460	Service & Manu. Systems Modeling	4
Total Units:				12