

# INDUSTRIAL AND SYSTEMS ENGINEERING

FR	F	S		F	S	
ENGL	1100	1120	English Composition I & II	3	3	C
			History I & II	3	3	C
MATH	1610	1620	Calculus I & II	4	4	C
PHYS		1600	Engineering Physics I	**	4	C
CHEM	1030		Fundamentals of Chemistry I	3	**	S
CHEM	1031		Fundamentals of Chemistry I Lab	1	**	S
COMP		1200	Intro. Comp. Prog.	**	2	S
ENGR	1100		Eng Orientation	0	**	S
ENGR	1110		Introduction to Engineering	2	**	M
				<b>16</b>	<b>16</b>	
SO						
ENGL	2200		World Literature	3	**	C
PHYS	1610		Engineering Physics II	4	**	C
MATH	2630		Calculus III	4	**	S
MATH	2650		Linear Diff Equations	3	**	S
MATH		2660	Topics in Linear Algebra	**	3	S
MATL		2100	Intro. to Material Science	**	3	S
INSY		3020	Occup. Safety & Ergon.	**	3	M
INSY		3021	Methods Engr. & Meas.	**	3	M
STAT	3600	3610	Prob. & Statistics I & II	3	3	M
STAT		3611	Applied Statistics Lab	**	1	M
				<b>17</b>	<b>16</b>	
JR						
ENGL		2210	World Literature II	**	3	
			Core Social Science Group I & II	3	3	C
COMP	3010		Spreadsheet & Database Tech for Operations	3	**	M
INSY	3400		Stochastic Operations Research	3	**	M
INSY	3410		Deterministic Operation Research	3	**	M
INSY	3800		Manufacturing Processes	3	**	M
INSY		3420	Simulation	**	3	M
INSY		3600	Engineering Economy	**	3	M
INSY		3700	Operations Planning	**	3	M
				<b>15</b>	<b>15</b>	
SR						
			Core Fine Arts	**	3	C
ELEC	3810		Fundamentals of Electrical Engineering	3	**	S
PHIL	1040		Ethics	3	**	C
INSY	4330		Quality Control	3	**	M
INSY	4500		Professional Practice	1	**	M
INSY	4700		Manufacturing Systems	3	**	M
INSY		4800	Senior Design Projects	**	3	M
			INSY Electives	3	3	M
			ENGR Elective	**	3	M
			Technical Elective	**	3	E
UNIV		4@@0	EN1 Undergraduate Graduation	**	0	S
				<b>16</b>	<b>15</b>	
<b>TOTAL HOURS — 126</b>						