

## Bachelor of Science in Engineering PLUS Supply Chain Management Four-Year Course Plan

YEAR 1	FALL		SPRING	
	MATH 170 Calculus I (FM)	4	MATH 175 Calculus II	4
	UF 100 Foundations of Intellectual Life	3	ENGL 101 Intro to College Writing	3
	CHEM 111 General Chemistry I & 111L Lab	4	PHYS 211 Physics I with Calculus & 211L Lab	5
	ENGR 120 Intro to Engineering (3) <i>or</i> ENGR 130 Intro to Engineering Applications (4)	3-4	ME 105 Mechanical Engineering Graphics (3) <i>or</i> CE 286 Intro to AutoCAD (2)	2-3
	<b>Semester Total</b>		<b>14-15</b>	<b>Semester Total</b>

YEAR 2	FALL		SPRING	
	MATH 275 Multivariable-Vector Calculus	4	ENGR 280 Engineering Design I	3
	ENGR 210 Engineering Statics	3	MATH 333 Differential Eq w Matrix Theory	4
	PHYS 212 Physics II with Calculus & 212L Lab *	5	CS 117 C++ for Engineers (3) <i>or</i> CS121 Intro to CS (4)	3-4
	UF 200 Foundations of Ethics & Diversity	3	ECON 201 Macroeconomics ( <b>recommended FS</b> )	3
		3	ENGL 102 Intro College Writing and Research	3
<b>Semester Total</b>		<b>15</b>	<b>Semester Total</b>	

\* May substitute CHEM 112/112L (4 credits). However, PHYS 212/212L is required for ECE 210. CHEM 112/112L may be required for other upper division engineering electives. See your advisor.

YEAR 3	FALL		SPRING	
	ENGR 240 Electrical and Electronic Circuits <i>or</i> ECE 210 Intro to Electrical Circuits I	3	ENGR 380 Engineering Design II (FOC)	3
	MATH 360 Statistics <i>or</i> MATH 361 Probability and Statistics I	3	Engineering Elective	3
	Foundations of Social Sciences Elective	3	SCM 380 Quality Management and Lean Process Improvement	3
	MSE 245 Intro to Material Science Engineering 245L Lab	4	Engineering Elective (upper division)	3
	SCM 345 Principles of Operations Management	3	SCM 366 Supply Chain Analytics	3
<b>Semester Total</b>		<b>16</b>	<b>Semester Total</b>	

YEAR 4	FALL		SPRING	
	Foundations of Humanities Elective	3-4	ENGR 480 Engineering Design III (FF)	4
	SCM 410 Logistics	3	Engineering Elective (upper division)	3
	SCM 435 Project Management	3	Engineering Elective (upper division)	3
	Engineering Elective (upper division)	3	Foundations of Arts Elective	3
	Engineering Elective (upper division)	3	SCM 420 Creating Sustainable Goods & Services <i>or</i> SCM 493 Internship	3
<b>Semester Total</b>		<b>15-16</b>	<b>Semester Total</b>	

TOTAL PROGRAM CREDITS: **121-125**

\*SCM 345 will be come SCM 301 in 2019-20