Materials Engineering (MatE) 4-Year Curriculum Plan

YEAR	FALL SEMESTER	UNITS	SPRING SEMESTER	UNITS
1	MATH 30 CALCULUS I (P)	3	MATH 31 CALCULUS II	4
	CHEM 1A GEN. CHEM	5	CHEM 1B GEN. CHEM	5
	ENGL 1A COMPOSITION	3	PHYS 50 GEN. PHYSICS (P)	4
	ENGR 10 INTRO ENGR	3	ENGL 1B COMPOSITION	3
	SEMESTER TOTAL	14	SEMESTER TOTAL	16
2	MATH 32 CALCULUS III	3	MATH 133A ORD. DIF. EQN	3
	MATE 25 INTRO. TO MATERIALS	3	CE 99 STATICS	2
	PHYS 51 GEN. PHYSICS	4	EE 98 INTRO. CIRCUIT ANAL.	3
	AMS 1A AMERICAN STUDIES	6	AMS 1B AMERICAN STUDIES	6
			GE (A1) ORAL COMM	3
	WRITING SKILLS TEST	0		
	SEMESTER TOTAL	16	SEMESTER TOTAL	17
3	ENGR 100W ENGR REPORT [WST]	3	MATE 151 PROC THERMO	3
	CHEM 161A PHYS. CHEM. I	3	MATE 154 METALS & ALLOYS	3
	MATE 115 STRUC/PROPS SOLIDS [LD]	3	MATE 141 MATERIALS ANALYSIS	3
	CHE 162 STATISTICS & ANALYSIS	3	MATE 155 MATERIALS PROC ENGR.	3
	MATE 153 ELEC. PROP. MATLS	3	MATE 144 XRAY DIFF LAB	1
	MATE 143 SCANNING ELECTRON	1	TECH ELECTIVE	3
	SEMESTER TOTAL	16	SEMESTER TOTAL	16
4	MATE 195 MECH. BHVR. MATLS [JC, 100W]	3	MATE 152 SOLID STATE KIN. [JC, 100W]	3
	MATE 185 CERAMICS [JC, 100W]	3	MATE 186 POLYMERS	3
	MATE 198A SEN. DESIGN PROJ. [JC, 100W]	2	MATE 198B SEN. DESIGN PROJECT	2
	TECH ELECTIVE	3	TECH ELECTIVE	3
	CHE 161 LAB SAFETY & ETH. [JC, 100W]	1	Engr 195B	1
	Engr 195A	1		
	SEMESTER TOTAL	13	SEMESTER TOTAL	12

TOTAL 120

NOTES: *FOOTNOTES*	
	MEANING
(P)	MUST TAKE PLACEMENT EXAM TO ENTER THIS COURSE
(JC)	MUST PASS JUNIOR CORE: C AVERAGE IN MATE 115, 141, 151, 153, 154, and 155 WITH A MINIMUM OF C- IN EACH
(WST)	MUST PASS THE WRITING SKILLS TEST TO ENTER THIS COURSE
(100W)	MUST PASS ENGR 100W TO PRIOR TO STARTING THIS COURSE
(LD)	MUST PASS LOWER DIVISION CORE: C AVERAGE PHYS 51, MATH 32 & 133A, CHEM 1A &1B