Introduction to Materials Engineering Design 11 MATE 120 (1) Introduction to Materials Engineering Design 11 MATE 120 (1) Introduction to Engineering Design 11 MATE 120 (1) Materials Engineering Design 11 MATE 120 (1) Materials Engineering Engineering Students Materials Engineering Engineering Students Materials Engineering Engineering Students Materials Engineering Students Materials E	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Materials projecting Decision (Decision Dec	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
International field of the series of the	Materials Engineering Design I	Materials Engineering Design II MATE 120 (1)	Materials Engineering Design III MATE 130 (1)	Engineering MATE 210 (3) (CHEM 111, 124, or 127.	and Society	Life Cycle MATE 222 (4)	Materials Systems MATE 360 (4) (MATE 232 & 235, IME	Materials Systems MATE 340 (4)	Material Systems MATE 310 (4) (MATE 210 & 340, STAT	MATE 482 (1)	MATE 483 (2)	Senior Project 1 MATE 484 (2 (MATE 483)
Calculus II Calculus III Calculus III Calculus III Calculus IV Linear Analysis I Mechanics of Mechanics of Mechanics of Methanics o	IME 1	.44 (4)	Engineering Students CSC 231 (2) (MATH 142; PHYS	Laboratory I MATE 215 (1)	Laboratory II MATE 225 (1) (MATE 215. Concur:	Laboratory III MATE 235 (1) (MATE 225. Concur:	Physical Chemistry MATE 380 (4) (CHEM 125, PHYS 133, MATH 143, MATE 210 &	Materials & Process Design MATE 370 (4)	Materials Systems MATE 350 (4) (MATE 360, CE 204,	Materials Systems		Technical Electi (4) ²
Chemistry for Physical Science & Begineering II CHEM 125 (A) * [B3/B4] CHEM 125 (A) * [Add! Area B] CHEM 125 (A) * [Add! Area B] CHEM 125 (A) * [Add! Area B] CHEM 125 (A) * [B3/B4] CHEM 125 (A) * [B3/B4] CHEM 125 (A) * [B3/B4] CHEM 125 (A) * [B3/B4] CHEM 125 (A) * [Add! Area B] CHEM 125 (A) * [Add! Area B] CHE 125 (A) CHEM 125 (A) CHEM 125 (A) * [Add! Area B] CHEM 125 (A) * CAR B A A CAR A	MATH 141 (4) *	MATH 142 (4) (MATH 141 w/min C-)	MATH 143 (4) (MATH 142 w/min C-)	MATH 241 (4)	MATH 244 (4)	Materials I CE 204 (3)	Theory & Lab EE 201 (3) & EE 251 (1) (MATH 244,		IME 314 (3) ¹ (MATH 241) OR Engineering Test Design & Analysis IME 326 (4)		Technical Breadth Elective	Approved Electiv Technical Bread Elective (4) ²
** ** Statics **	Chemistry for Physical Science & Engineering I CHEM 124 (4) *	Chemistry for Physical Science & Engineering II CHEM 125 (4)	PHYS 141 (4) *	PHYS 132 (4) (PHYS 131, HNRS 131,	III PHYS 133 (4) (PHYS 131, 141, or HNRS 131; MATH 142.	for Engineers STAT 312 (4) (MATH 142)				ME 350 (4)* <u>OR</u> MATE 325 (1) ¹ * & MATE 326 (1) ¹ * &		
ENGL 149 (4) [Å3] (Completion of GE A1 with a C- or better, Recommended: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)	Can be ta Oral Communica	** ing ENGL 133 or 13 iken anytime during Fresh ation COMS 101 or 13	nman Year 102 (4)** [A2]	GE (4) **	Statics ME 211 (3) (MATH 241 ⁺ , PHYS	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **
		ENGL 149 (4) [Å3] (Completion of GE A1 with a C- or better, Recommended: Completion of GE A2)					(Students can attempt to fulfill the requirement after 90 earned units;					

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, B2, C1, C2, C3, C4, D1, D2, D3, D4. C4 should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, or D4.

[†] Course can be taken previously or concurrently.

¹ If support requirements are met with IME 314 and MATE 325, 326, 327 (for a total of 6 units), at least one unit of upper division should be selected in Approved Electives/Breadth, to meet the required 60 units of upper division.

² Refer to current catalog for course selection and guidelines.

