

## B.S. in LIBERAL ARTS and ENGINEERING STUDIES (Individualized Course of Study in Engineering and Individualized Course of Study in Liberal Arts) Suggested 4-Year Academic Flowchart

Updated 6/20/2022 FRESHMAN SOPHOMORE JUNIOR SENIOR Statistics Study Abroad or Advanced Project-Choose One: Gen Chem for Phys Project-Based Senior Project in Canstone Senior Calculus I Calculus III Calculus IV Linear Analysis I Based Learning in STAT 312 (4) Learning in LAES Sci & Engineering 1 Seminar in LAES LAES STAT 321 (4) (300-400 level) MATH 141 (4) MATH 142 (4) MATH 143 (4) MATH 241 (4) MATH 244 (4) STAT 350 (4) (4) CHEM 124 (4) LAES 301 (4) LAES 302 (4) LAES 461 (4) LAES 462 (4) ATH 141 w/min C-(MATH 142 w/min C MATH 241: PHYS 142 AES 302; Sr Standing Instr. Consent) (LAES 301) Instr. Consent) or Instr. Consent) (MATH 143) (LAES 461) (MATH 143) [B4] [GE Elective] [Upper-Division B] [B1 & B3] Study Abroad or Engineering Engineering Engineering Engineering Engineering General Physics 1 General Physics II General Physics III Global Perspective (300-400 level) PHYS 141 (4) PHYS 143 (4) ICS (4)1 ICS (4)1 ICS (4)1 ICS (4)1 ICS (4)1 PHYS 142 (4) (4) PHYS 141: MATH 142 PHYS 141: MATH 142 MATH 141 w/min C Rec: MATH 241) ICS (4)1 ICS (4)1 ICS (2)1 ICS (4)1 ENGL 133 or 134 (4)\*\* [A2] **Liberal Arts** Liberal Arts Liberal Arts Liberal Arts **Liberal Arts** Liberal Arts COMS 101 or 102 (4)\*\* [A1] ICS (4)2 ICS (4)2 ICS (4)2 ICS (4)2 ICS (4)2 ICS (4)2 Reasoning, Argumentation, & Writing [A3] COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)\*\* GE (4) GE (4) GE (4) GE (4) GE (4) **GE (4)** GE (4) **GE (4)** GE (4) GE (4) **GE (4)** 1st Quarter 2nd Quarter **Free Elective** (Students can attempt to fulfill the requirement after 90 earned units; students ICMA ICMA (2) should complete the requirement before senior year)

## Notes:

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

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\* Refer to current catalog for prerequisites.

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\*\*One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, C2, Lower-Division C Elective, Upper-Division C, D1, D2, Upper-Division D, Lower-Division E, F, and GE Elective. Upper-Division B, Upper-Division C, and Upper-Division D, and Upper-Division C may be fulfilled in concentration courses.

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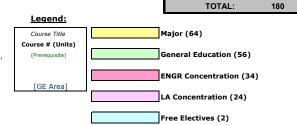
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Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: Upper-Division B, C1, Upper-Division C, D1, D2, Upper-Division D, or E. USCP may also be fulfilled in concentration.

- $\ensuremath{^{\dagger}}$  Course can be taken previously or concurrently.
- $^{1}$  Engineering Concentration requires 34 units, minimum 12 units at 300-400 level.
- <sup>2</sup> Liberal Arts Concentration requires 24 units, minimum 12 units at 300-400 level.



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