### GENERAL EDUCATION (GE)
72 units required, 32 of which are specified in Support.
→ See page 50 for complete GE course listing.
→ Minimum of 8 units required at the 300 level.

#### Area A Communication (8 units)
- A1 Expository Writing ................................................. 4
- A2 Oral Communication ................................................ 4
- A3 Reasoning, Argumentation, and Writing * 4 units in Support ......................................................... 0

#### Area B Science and Mathematics (no add'l units required)
- B1 Mathematics/Statistics * 8 in Support .................. 0
- B2 Life Science * 4 units in Support ......................... 0
- B3 Physical Science * 4 in Support ......................... 0
- B4 One lab taken with either a B2 or B3 course
- B5 (requirement for Liberal Arts students only)
- B6 Upper-division Area B * 4 in Support ................. 0
- Additional Area B units* 8 in Support .................... 0

#### Area C Arts and Humanities (16 units)
- C1 Literature ................................................................. 4
- C2 Philosophy ............................................................... 4
- C3 Fine/Performing Arts ................................................. 4
- C4 Upper-division elective (PHIL 340 or NR 360 recommended) ......................................................... 4

#### Area D/E Society and the Individual (16 units)
- D1 The American Experience (40/40) ...................... 4
- D2 Political Economy ..................................................... 4
- D3 Comparative Social Institutions ............................. 4
- D4 Self Development (CSU Area E) ............................ 4
- Additional 4 units (Area A, B, C, D, or E) .......... 0
- Elective .................................................................... 196

#### FREE ELECTIVES .......................................................... 0

### SUPPORT COURSES
- CHEM 127 General Chemistry I (B3/B4)* .................. 4
- CHEM 128 General Chemistry II ................................. 4
- CHEM 129 General Chemistry III ................................ 4
- CHEM 312 Surv Org Chem ......................................... 5
  *(trans equiv CHEM 212)*
- CSC 231 Programming for Engineering Students .... 2
- ENGL 149 Technical Writing for Engineers (A3)* .... 4
- MATH 141, 142 Calculus I, II (B1)* ......................... 4,4
- MATH 143 Calculus III (Add'l Area B)* ................. 4
- MATH 241 Calculus IV ............................................... 4
- MATH 244 Linear Analysis I ...................................... 4
- MATH 221 Microbiology (B2)* or
  MCRO 224 General Microbiology I (4/7/09) .......... 4
- ME 211 Engineering Statics ....................................... 3
- ME 302 Thermodynamics I ..................................... 3
- PHYS 141 General Physics IA (Add'l Area B)* ....... 4
- PHYS 132, 133 General Physics II, III ....................... 4,4
- STAT 312 Statistical Methods for Engineers (B6)* .... 4

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1. To be selected in accordance with the A.B.E.T. 24-unit and Culminating Engineering Design requirement, in consultation with your academic advisor.
2. No more than 4 units of ENVE 400 or CE 400 can be counted towards technical electives.
3. CHEM 124, 125 substitute for CHEM 127, 128.
4. An additional 3 units of technical electives may substitute. (1/6/14)