College of Letters and Sciences B.S. Degree Requirements For Industrial Physics with a Mathematics Minor

1) Communications & Calculations Skills (12 units or waivers)

    a)   ____ENGLISH 101
    b)   ____ENGLISH 102
         or ____ENGLISH 105 Freshmen Honors
            (replaces both 101 and 102)
    c)   ____SPEECH 110
    d)   ____MATH 140 or 141

2) B.S. Degree Requirements (32 units)

  a) Quantitative and Technical Reasoning (7-11 units)

    (1) ____A 4-5 unit laboratory science designated *GL*
    (2) ____3 – 6 units of science, math or computer science courses designated GL or GM from at least 1 subject area other than the laboratory science course used in Area 2.a.1 (Astronomy, Biology, Chemistry, Geology, Computer Science, Physical Geography, Math Physics)

  b) Cultural Heritage (6 units)

    1)   ____GENED 110
    2)   ____GENED 390

  c) Communities (6 units)

    1)   ____GENED 130
    2)   ____GENED 120 or 140

  d) Personal Health and Well-being (1-2 units)

    1)   ____PEGNRL 192
    2)   ____0-1 unit in HPRC courses designated *GP*

  e) ____Electives (7-12 units)

    1)   ____Additional electives designated *GA, GE, GH, GI,* or *GS*; no more than 1 course from any one discipline may be counted in electives

3) Diversity (3 units)

  a) ____Any diversity course listed in 2010-12 Catalog pg 38.

1) Physics (38 units)

  a) (1) ____PHYSCS 180
      (2) ____PHYSCS 181
      (3) ____PHYSCS 221
      (4) ____PHYSCS 305
      (5) ____PHYSCS 310
      (6) ____PHYSCS 324
      (7) ____PHYSCS 330
      (8) ____PHYSCS 331
      (9) ____PHYSCS 364
    (10) ____PHYSCS 489

  b) Select 2 units of ____PHYSCS 190

  c) Select ____ PHYSCS 344 or ____ PHYSCS 360

  d) Select remaining units from Physics courses numbered 300 or 400 with no more than 3 units from 490-499 courses.

  e) ____ Departmental Exit Interview

2) Major – Unique Requirement (28 units)

  a) (1) ____ CHEM 102
      (2) ____ CHEM 104
      (3) ____ MATH 255*
      (4) ____MATH 355*
      (5) ____MATH 361*
      (6) ____ITBE 141
      (7) ____ACCOUNT 244 RLS

  b) Choose one

    ____COMPSCI 347, COMPSCI 172 or COMPSCI 174

3) Writing – 3 units

    ____ENGLISH 370 or ENGLISH 372 RLS

4) Mathematics Minor (22 units)

  1) ____MATH 253
  2) ____MATH 254
  3) ____MATH 255*
  4) ____MATH 361 or MATH 280
  5) ____Select remaining units from MATH courses numbered 300 or higher except MATH 375.

    *These courses are also listed under the physics major requirements