

## 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 2008-10 Catalog pg 19.

### 1) Physics (34 units)

- (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) \_\_\_ Departmental Exit Interview

### 2) Major – Unique Requirement (28 units)

- 1) \_\_\_ CHEM 102
- 2) \_\_\_ CHEM 104
- 3) \_\_\_ MATH 255\*
- 4) \_\_\_ MATH 355\*
- 5) \_\_\_ MATH 361\*
- 6) \_\_\_ COMPSCI 173
- 7) \_\_\_ ITBE 141
- 8) \_\_\_ ACCOUNT 244 RLS

#### a) Writing – 3 units

- 1) \_\_\_ ENGLISH 370 OR \_\_\_ ENGLISH 372 RLS

### 3) Mathematics Minor (22 units)

- 1) \_\_\_ MATH 253
- 2) \_\_\_ MATH 254
- 3) \_\_\_ MATH 255\*
- 4) \_\_\_ MATH 459 or 280

\*These courses are also listed under the physics major requirements