## B.S. in PHYSICS
### Suggested 4-Year Academic Flowchart

### 2017-19 Catalog

**Legend:**
- Course Title
- Course # (Units)
- General Ed. (60)
- [GE Area]
- Free Electives (8)

### 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, A3, B1, C1, C2, C3, C4, C1-CS elective, D1, D2, D3, D4, D5 and F.
- C4, D5 and F should be taken only after Junior standing is reached (90 units).
- Refer to online catalog for GE course selection. USCP and Graduation Writing Requirement (GWR) requirements can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, D4, D5 and F.
- † Course can be taken previously or concurrently.
- ‡ Calculus workshops (Math 151, 152, 153) are recommended for elective credit. They require concurrent enrollment in the associated section of Calculus.
- †† Supplemental Workshops (SCM 150) recommended in your first year. These courses count for elective credit.
- § Additional 12 units of 300-400 courses from the prefixes: PHYS/ASTR/GEOL/MATH/STAT/CSC with at least 2 courses from PHYS 323, 342, 357, 417, 422, 423, 452; ASTR 444 and at least 1 course from PHYS 424 or MATH 418. Total combined elective credit in PHYS 400, PHYS 404, ASTR 400, ASTR 404, GEOL 400, and GEOL 404 limited to 8 units, with a maximum of 2 units per quarter.

### 2017-19 Catalog

#### Beyond the Core
- **JUNIOR**
  - Calculus II
  - MATH 142
  - [B1]
- **Spring**
  - Modern Physics
  - Quantum Mechanics I
  - Vector Analysis
  - Technical Elective (2)*
  - Technical Elective (2)*
  - GE (4)
  - Free Elective (4)*

#### Beyond the Core
- **SENIOR**
  - Electromagnetic Fields & Waves I
  - Technical Elective (3-4)*
  - Technical Elective (4)*
  - GE (4)
  - Free Elective (4)*

### Total: 180 units

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