### Suggested 4-Year Academic Flowchart

#### FRESHMAN
- **Fall**
  - Calculus I, II, & III
  - MATH 141 (4) (MATH 141 w/ min C-; Coreq: MATH 142 or PHYS 141)
  - MATH 144 (4) (MATH 144 w/ min C-; Coreq: MATH 145)
  - PHYS 131 (4) (PHYS 131, CHEM 125, or PHYS 141)
  - PHYS 132 (4) (PHYS 132, CHEM 126, or PHYS 142, REASON: MATH 141)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)
- **Spring**
  - Calculus IV
  - MATH 241 (4) (MATH 241)
  - MATH 244 (4) (MATH 244)
  - PHYS 141 (4) * (PHYS 141, MATH 141, or PHYS 145)
  - PHYS 142 (4) (PHYS 142, MATH 142, REASON: PHYS 141)

#### SOPHOMORE
- **Fall**
  - Principles of Irrigation
  - MATH 243 (4) (MATH 243)
  - PHYS 133 (4) (PHYS 133, MATH 131, or PHYS 143)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)
- **Winter**
  - Principles of Irrigation
  - MATH 243 (4) (MATH 243)
  - PHYS 133 (4) (PHYS 133, MATH 131, or PHYS 143)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)

#### JUNIOR
- **Fall**
  - Principles of Irrigation
  - MATH 243 (4) (MATH 243)
  - PHYS 133 (4) (PHYS 133, MATH 131, or PHYS 143)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)
- **Winter**
  - Principles of Irrigation
  - MATH 243 (4) (MATH 243)
  - PHYS 133 (4) (PHYS 133, MATH 131, or PHYS 143)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)

#### SENIOR
- **Fall**
  - Principles of Irrigation
  - MATH 243 (4) (MATH 243)
  - PHYS 133 (4) (PHYS 133, MATH 131, or PHYS 143)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)
- **Winter**
  - Principles of Irrigation
  - MATH 243 (4) (MATH 243)
  - PHYS 133 (4) (PHYS 133, MATH 131, or PHYS 143)
  - ENGL 133 or 134 (4)** [A2]
  - Oral Communication
  - COMS 101 or 102 (4)** [A17]
  - Technical Writing for Engineers
  - ENGL 149 (4)

**Notes:**
- **Most General Education Courses can be taken in any order as long as prerequisites are met**
- *Refers to current catalog for prerequisites.
- **One course from each of the following GE areas must be completed: A1, A2, C1, Lower-Division C Elective, Upper-Division C, D1, Area D Elective, and E.**
- **Upper-Division C should be taken only after Junior standing is reached (90 units).**
- **Students are encouraged to take summer courses online or at a community college when possible. This is not mandatory.**

### Legend:
- **Course Title**
- **Course # (Units)**
- **Prerequisite**
- **Support (73-74)**
- **General Ed. (36)**

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Updated 4/8/2020