### Undergraduate Nuclear Engineering Curriculum

#### Course in the Critical Path

Smooth program completion requires attention to the critical path because of prerequisite course requirements.

Deviation from Critical Path Options:
1. Meet with advisor for getting back on track
2. Summer program to catch up

#### Minimum Graduation Requirements
128 Credit Hours

- **FE Exam**
- **Pre-Requisites – Out of Department Courses**
- Chem 1310, 1319, 1100 / Phys 1135, 2135 / CS 1972, 1982
- Math 1214, 1215, 2222, 3304, CE 2210, 2200, ME 2519, EE 2800

#### Critical Path

- **Nuclear Engineering**
- **Engineering**
- **Math/Physics**
- **General Education**
- **Science**

- These courses are only offered once every year
- Other scientific programming languages might suffice
- NE 1105 is waived for transfer students and for Nuclear Summer Camp attendees
- One additional credit must be taken to maintain the 128 credit hour requirement

---

**Freshman Year**
- **Fall Semester**
  - MATH 1214 4 Cr
  - CHEM 1310 4 Cr
  - CHEM 1100 1 Cr
- **Spring Semester**
  - MATH 1215 4 Cr
  - PHYS 1135 4 Cr
  - CHEM 1319 or 1351 1 Cr

**Sophomore Year**
- **Fall Semester**
  - MATH 2222 4 Cr
  - PHYS 2135 4 Cr
  - HIST 1200, 1300, 1310
  - HSS Elective 3 Cr
- **Spring Semester**
  - MATH 3304 3 Cr
  - NE 3103 3 Cr
  - CS 1972 2 Cr

**Junior Year**
- **Fall Semester**
  - NE 2105 2 Cr
  - ME 2519 (Prereq: CS 1570/1970/1971) 3 Cr
  - ME Elective 3 Cr
- **Spring Semester**
  - NE 2406 1 Cr
  - ENG 1120 3 Cr

**Senior Year**
- **Fall Semester**
  - NE 2411 (Prereq: CE 2210) 3 Cr
  - EE 2800 (Prereq: Phys 2135) 3 Cr
- **Spring Semester**
  - NE 4241 3 Cr
  - NE Elective 3 Cr

---

*These courses are only offered once every year*

*Other scientific programming languages might suffice*

*NE 1105 is waived for transfer students and for Nuclear Summer Camp attendees*

*One additional credit must be taken to maintain the 128 credit hour requirement*