Academic Year: 2021-2022

**FIRST YEAR**

**Fall**
- ENGR 100 Engineering Orientation (F, 3)
- CH 201 Chemistry (F, W, S, 3)
- MTH 251 Differential Calculus (F, W, S, 4)
- WR 121 English Composition (F, W, S, 4)
- Perspective CD, SPI, LA, or DPD (3)

**Winter**
- ENGR 102 Orientation II (W, 3)
- CH 202 Chemistry (W, S, 3)
- MTH 252 Integral Calculus (F, W, S, 4)
- COMM 111/114 Speech (F, W, S, 3)
- Perspective CD, SPI, LA, or DPD (3)

**Spring**
- ENGR 103 Orientation III (S, 3)
- Lifetime Fitness e.g. HHS 231 (F, W, S, 2)
- MTH 254 Vector Calculus (F, W, S, 4)
- PH 211 Physics w/ Calculus (F, S, 4)
- PAC (F, W, S, 1)

**SECOND YEAR**

**Fall**
- ENGR 211 Statics (F, W, S, 3)
- NSE 234 Nuclear & Radiation Physics I (F, W, S, 2)
- MTH 256 Differential Equations (F, W, S, 4)
- PH 212 Physics w/ Calculus (F, W, S, 4)
- Perspective CD, SPI, LA, or DPD (3)

**Winter**
- ENGR 213 Strength of Materials (F, W, S, 3)
- NSE 235 Nuclear & Radiation Physics II (W, S, 3)
- MTH 264 & MTH 265 (F, W, S, U)
- PH 213 Physics w/ Calculus (W, S, 4)
- Perspective Western Culture (3)

**Spring**
- ENGR 212 Dynamics (F, W, S, 3)
- NSE 236 Nuclear Radiation Detection & Instrumentation (S, 4)
- MTH 252 (S, 4)
- NSE 233 Mathematical Methods for NE S(3)
- ENGR 201 Electrical Fundamentals (F, W, S, 3)

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**THIRD YEAR**

**Fall**
- NSE 451 Neutronic Analysis
  - F (3)
- MTH 256 & ENGR 212
- NSE 311 Introduction to Thermal-Fluid Sciences
  - F, W (4)
- ENGR 390 Engineering Economy
  - F, W, S (3)
- WR 327 Technical Writing
  - F, W, S (3)
- Perspective
  - CD, LA, SPI or DPD (3)

**Winter**
- NSE 452 Neutron Analysis II
  - W (3)
- ENGR 248 Engr Graphics and 3-D Modeling
  - F, W, S (3)
- NSE 331 Introductory Fluid Mechanics
  - F, W, S (3)
- NSE 332 Thermodynamics
  - W, S (4)
- NSE 457 Nuclear Reactor Lab
  - W, S (4)
- MATS 321 Introduction to Material Science
  - F, W, S (4)
- Perspective
  - CD, LA, SPI or DPD (3)

**Spring**
- NSE 435 & NSE 481
- NSE 312 Thermodynamics
  - F, W (4)
- NSE 332 Heat Transfer
  - F, S (4)
- NSE 467 Nuclear Reactor Thermal Hydraulics
  - F (4)
- Biological Science
  - F, W, S (4)
- Perspective
  - CD, LA, SPI or DPD (3)

**FOURTH YEAR**

**Fall**
- NSE 473 Nuclear Reactor Systems Analysis
  - F (3)
- NSE 474 Nuclear Systems Design I
  - W (4)
- NSE 452
- NSE 475 Dynamics
  - F, W, S (4)
- NSE 332
- NSE 481 Radiation Protection
  - F (4)
- NSE 407 Seminar
  - F, W, S (3)
- Synthesis
  - F, W, S (3)
- NSE 407 Seminar
  - F, W, S (3)
- Free Elective
  - F, W, S (5)
- Restricted Elective
  - F, W, S (3)

**Winter**
- NSE 452
- NSE 407 Seminar
  - F, W (1)
- NSE 235
- NSE 435 Radiation Shielding and External Dosimetry
  - S (4)
- NSE 407 Seminar
  - F, W, S (3)
- Restricted Elective
  - F, W, S (3)

**Spring**
- NSE 415 Nuclear Rules and Regulations
  - F (2)
- NSE 407 Seminar
  - F, W (1)
- Restricted Elective
  - F, W, S (3)

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