NUCLEAR ENGINEERING CURRICULUM
2020-2021

**CORE**

- NE 511: Advanced Nuclear Reactor Theory
- NE 520: Radiation Interactions and Transport
- NE 524: Interaction of Rad. w/Matter
- NE 564: Thermal-Hydraulic of Nuclear Systems
- NE 571: Radiation Damage in Materials

**NE ELECTIVE COURSES**

*Elective courses to meet coursework hours (Plan I 30 hrs, Plan II 33 hrs, & Plan III 30 hrs)*

- NE *485: Fusion Technology
- NE 515: Special Topics
- NE 513L: Grad Nuclear Engineering
- NE 523L: Environmental Measurements Laboratory
- NE 527: Radiation Biology for Engineers & Scientists
- NE 528: External Radiation Dosimetry
- NE 529: Internal Radiation Dosimetry
- NE 539: Radioactive Waste Management
- NE 562: Monte Carlo Techniques for
- NE 568: Introduction to Space Nuclear Power
- NE 610: Advanced Methods in Radiation Transport

**SHARE CREDIT**

- NE 510: Nuclear Reactor Theory
- NE 562: Monte Carlo Techniques for
- NE 513L: Nuclear Engineering

*Must have a B or better

*Plan I will required 6 hrs of Thesis & Plan II will require 6 hours of practicum.
Additional graduate electives can be taken from MATH, PHYC, CHEM, CS, CBE, ME & other approved STEM fields.