

## **MNE Technical and Restricted Elective Requirements K-State Core Curriculum**

The Mechanical and Nuclear Engineering K-State Core Curriculum requires 12 credit hours of Technical Electives. Students must complete the following:

### ME/NE Technical Electives:

- 6 credit hours (typically 2 courses) chosen from:
  - 200-level or above ME/NE courses (except: ME 310, ME 519)
- 3 credit hours (typically 1 course) chosen from:
  - 600-level or above ME/NE courses

### Restricted Technical Elective:

- 3 credit hours (typically 1 course) chosen from:
  - 300-level or above ME/NE courses (except: ME 310, ME 519)
  - 200-level or above College of Engineering courses (ARE, ATM, BAE, BME, CC, CE, CHE, CIS, CNS, ECE, ENVE, IMSE)  
(except: CE 202, CE 212, CE 530, CNS 231, ECE 410, ECE 519, IMSE 530)
  - 500-level or above Math
  - 230-level or above Chemistry
  - 325-level or above Physics
  - 190-level or above Biology
  - 250-level or above Biochemistry
  - 400-level or above Statistics classes
  - 360-level or above Geology

### Restricted Technical Elective Recommendations:

- If taking the Nuclear Engineering Option:
  - CIS 209 - Computer Programming for Engineers
  - STAT 510 - Introductory Probability and Statistics I
  - MATH 540 - Advanced Ordinary Differential Equations
  - MATH 632 - Elementary Partial Differential Equations
  - MATH 655 - Elementary Numerical Analysis I

Note that Institutional (Free) Electives, and the Restricted Technical Elective can be used to pursue a minor. If interested in the Nuclear Engineering Option or a minor, please consult with your advisor.

If you have questions about Technical Electives or their acceptance in the Mechanical and Nuclear Engineering Curriculum, please discuss with your Academic Advisor then contact Dr. Kevin Wanklyn, Undergraduate Program Director, at [kwanklyn@k-state.edu](mailto:kwanklyn@k-state.edu). Other classes of appropriate technical rigor will be considered and must be approved by the Undergraduate Committee, Department Head, and the Assistant Dean of Engineering Student Services before being applied to your DARS report.