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**Technical Elective Options in Aerospace Engineering (Minimum 2 courses)**

AE 500+ (not including required AE courses)

AE 481 (up to 3-hrs, subject to department document guidelines)

**STAT 311 Statistical Methods I (3)** .

**STAT 312 Statistical Methods II (3)**

**Mechanical Engineering**

ME 439. Mechanical Engineering Design I (3)

ME 502. Thermodynamics II (3).

ME 660. Polymer Materials and Engineering (3).

ME 709. Injury Biomechanics (3).

ME 755. Intermediate Thermodynamics (3).

ME 762. Polymeric Composite Materials (3).

**Physics**

PHYS 517. Electronics Laboratory (2).

PHYS 551. Topics in Modern Physics (3)

PHYS 555. Modern Optics (3).

PHYS 621. Analytical Mechanics (3).

PHYS 631. Electricity and Magnetism (3).

PHYS 641. Thermophysics (3).

PHYS 761. Environmental Physics (3).

PHYS 795. Earth and Space Physics (3).