For ME Majors

Aerospace Science
- MMAE 311 – Compressible Flow
- MMAE 312 – Aerodynamics of Aerospace Vehicles
- MMAE 410 or MMAE 411 or MMAE 441 – Aircraft Flight Mechanics or Spacecraft Dynamics or Spacecraft & Aircraft Dynamics
- MMAE 412 or MMAE 414 or MMAE 436 or MMAE 437 – Spacecraft Design I or Aircraft Design I or Design of Aerospace Vehicles II
- MMAE 452 – Aerospace Propulsion

Materials Science
- MMAE 365 – Structure & Properties of Materials I
- MMAE 370 – Materials Lab I
- MMAE 463 – Structure & Properties of Materials II
- + Any 2 of the following:
  - MMAE 465 – Electrical, Magnetic & Optical Properties of Materials
  - MMAE 470 – Introduction to Polymer Science
  - MMAE 472 – Advanced Aerospace Materials
  - MMAE 476 – Materials Lab II

For AE Majors

Applied Mechanics
- MMAE 432 or MMAE 433 – Design of Mechanical Systems or Design of Thermal Systems
- + Any 4 of the following:
  - MMAE 321 – Applied Thermodynamics
  - MMAE 322 or MMAE 323 – Heat & Mass Transfer with or without Lab
  - MMAE 332 – Design of Machine Elements
  - MMAE 445 – Computer-Aided Design
  - MMAE 485 – Manufacturing Processes

Materials Science
- MMAE 365 – Structure & Properties of Materials I
- MMAE 370 – Materials Lab I
- MMAE 463 – Structure & Properties of Materials II
- + Any 2 of the following:
  - MMAE 465 – Electrical, Magnetic, & Optical Properties of Materials
  - MMAE 470 – Introduction to Polymer Science
  - MMAE 472 – Advanced Aerospace Materials
  - MMAE 476 – Materials Lab II
  - MMAE 485 – Manufacturing Processes

For MSE Majors

Applied Mechanics
- MMAE 302 or MMAE 304 or MMAE 332 – Mechanics of Solids III or Analysis & Design of Machine Elements or Design of Machine Elements
- MMAE 313 – Fluid Mechanics
- MMAE 323 – Heat & Mass Transfer
- MMAE 332 or MMAE 350 – Design of Machine Elements or Computational Mechanics
- MMAE 432 or MMAE 445 – Design of Mechanical Systems or Computer-Aided Design

Aerospace Science
- MMAE 304 – Mechanics of Aerostructures
- MMAE 310 or MMAE 313 – Fluid Mechanics with or without Lab
- MMAE 311 – Compressible Flow
- MMAE 312 – Aerodynamics of Aerospace Vehicles
- + Any 1 of the following:
  - MMAE 350 – Computational Mechanics
  - MMAE 410 or MMAE 411 or MMAE 414 – Aircraft Flight Mechanics or Spacecraft Dynamics or Spacecraft & Aircraft Dynamics
  - MMAE 443 – Systems Analysis and Control
  - MMAE 452 – Aerospace Propulsion