MECHANICAL AND AEROSPACE ENGINEERING

APPROVED MATH-SCIENCE/TECHNICAL ELECTIVES

Aerospace Engineering majors must complete one (1) Science 1 elective from the Requirement 1 List and must take three (3) math-science/technical electives from either Requirement 1, 2 or 3 Lists.

Mechanical Engineering majors must complete one (1) Science 1 elective from the Requirement 1 List and one (1) Math-Science 2 elective that must come from either List 1 or 2.

Mechanical Engineering majors must also complete four math/science/technical electives that may can come from any of the 1, 2, or 3 Requirement Lists.

Requirements

1. All mechanical and aerospace engineering students must complete a Science 1 Elective from the restricted SEAS list below:

   - BIOL 2100
   - BIOL 2200
   - CHEM 1620
   - ECE 2066
   - ENGR 2500
   - MSE 2090
   - PHYS 2620
   - APMA 3000 or higher not required by your major

2. In general, any courses (below the 6000 level) from the list below are allowed:

   - ASTR 2000 or higher
   - BIOL 2000 or higher
   - CHEM 2000 or higher
   - EVSC 2050 or higher
   - MATH 3300 or higher
   - PHYS 2620 or higher
   - STAT 3000 or higher
   - APMA 3000 or higher not required by your major

   NOTE: Courses with similar titles are NOT necessarily equivalent. For instance, CS 2102 Discrete Mathematics is not equivalent to MATH 4040 Discrete Mathematics, and does NOT fulfill the Math-Science 2 elective. Only courses specifically included in List 1 and List 2 fulfill Math-Science 2 electives.

3. In general, any SEAS course, 3000 level or above or any 2000 level SEAS course required as a major or minor in that discipline with the following exceptions:

   - No STS or ENGR courses allowed except for ENGR 4880 Business and Technical Leadership in Engineering
   - NASC 3100 and NASC 3200 are approved Math-Science/Technical electives.
   - The following Mechanical Engineering design courses are not allowed to be used as Math-Science/Technical electives (MAE 4610, 4620, 4630, 4640, 4670, or 4680).

   (03/29/2016 KT)