

MECHANICAL AND AEROSPACE ENGINEERING APPROVED MATH-SCIENCE/TECHNICAL ELECTIVES Class 2019, Class 2020, Class 2021

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

Mechanical Engineering majors must complete one (1) Math-Science 1 elective from the Requirement 1 List, one (1) Math-Science 2 elective from Requirement list 1 or 2, and four (4) Math-Science/Technical electives from Requirement 1, 2 or 3 Lists.

Requirements

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

BIOL 2100	ECE 2066
BIOL 2200	MSE 2090
CHEM 1620	PHYS 2620

Or any APMA course, level 2000 or higher that is not required and does not duplicate another APMA course.

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

ASTR 2000 or higher	MATH 3300 or higher
BIOL 2000 or higher	PHYS 2620 or higher
CHEM 2000 or higher	STAT 3000 or higher
EVSC 2050 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 students may use ONE of the following: ENGR 4880 Business & Technical Leadership in Engineering or STS 4810 New Product Development (restricted to students in Business Minor).

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).

kt(6/28/2018)