

MECHANICAL AND AEROSPACE ENGINEERING APPROVED MATH-SCIENCE/TECHNICAL ELECTIVES Class 2022, 2023, 2024 and 2025

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

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

Requirements

1. Math - Science Elective may be chosen from the list below:

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| BIOL 2100 | MSE 2090 |
| BIOL 2200 | PHYS 2620 |
| CHEM 1620 | |

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:

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|---------------------|--|
| 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, 2 and 3 fulfill Math-Science/Technical 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 MathScience/Technical electives (MAE 4610, 4620, 4630, 4640, 4670, or 4680).

kt(6/28/2018)