

SENIOR YEAR**Fall Semester****16**

ASEN 4013 Foundations of Propulsion	3	"C" or better in APPM 2360, ASEN 3113
ASEN 4018 Senior Projects 1: Design Synthesis (Note 1)	4	"C" or better in all 3000-level ASEN courses (1022, 3111, 3112, 3113, 3128, 3200, 3300)
Professional Area Electives	6	Variable
Upper-division Writing	3	pre-reqs variable

Spring Semester**16**

ASEN 4028 Senior Projects 2: Design Practicum	4	"C" or better in ASEN 4018
Professional Area Electives	6	Variable
Upper-division Humanities/Social Science Elective	3	Variable
Free Electives	3	Variable

* APPM OR MATH courses accepted

APPM1350=MATH 1300

APPM 2350=MATH 2400

APPM 1360=MATH 2300

APPM 2360=MATH 3430 AND MATH 2130

** Programming is a prerequisite for all ASEN courses => 2000 level. Recommend CSCI 132 Computer Science 1. All AES students must be proficient in MATLAB
 MATLAB Student Version <https://oit.colorado.edu/software-hardware/software-downloads-and-licensing/matlab>

Note 1: Senior Projects 1 & 2 must be completed in the same Academic Year. Senior Standing in Aerospace Engineering = satisfactory completion of all junior-Aerospace course requirements.

Professional Area Electives (PAEs) 3000, 4000, or 5000 level Math, Science or Engineering Courses. Total number of PAE credits = 18. Use the Degree Audit to get a full list of approved PAEs.

x Free Electives: Total = 7 credit hrs. Free Electives are courses outside of major/minor coursework.

x Humanities & Social Sciences (HSS): 9 credit hours of lower division (LDHSS) 6 credit hours of upper division (UDHSS) & 3 credit hours of upper division writing (UDWRTG) (students can only take HUEN 1010 in their freshmen year to be used toward the UDWRTG requirement). Total HSS=18 credit hours. All courses must be on the approved list found online.