APPROVED CURRICULUM FOR B.S. DEGREE IN AEROSPACE ENGINEERING SCIENCES (128 total credit hrs) AY 2018-2019 – TRACK 1

ASEN courses are offered and must be taken in this specific sequence

	Credit Hours	s	Prerequisite ("C" or better)/ Co-req. (CR)
FRESHMAN YEAR	Fall Semester15		
	APPM 1350*Calculus 1 for Engineers	4	2 years high school algebra, 1 year geometry, 1/2 year trigonometry
	GEEN 1400 Engineering Projects/ASEN 1400 Gateway to Space	3	Freshman standing in Engineering
	CSCI 1320** MATLAB and C++ Programming	4	CR or Pre-Requisite of Calculus 1
	Lower-division Humanities/Social Science Elective	3Pr€	Sco0Tc102/20TTx80(i90-10/2.99T6186(100R6)T1) 0 TI3TjEMC /6.80d [(s)-2 1.253 0 Td (CR)Tj0 T Tc 0.002 T

SENIOR YEAR	Fall Semester10ASEN 4013 Foundations of PropulsionASEN 4018 Senior Projects 1: Design Synthesis (Note 1)Professional Area ElectivesUpper-division Writing	6 3 4 6 3	"C" or better in APPM 2360, ASEN 3113 "C" or better in all 3000-level ASEN courses (1022, 3111, 3112, 3113, 3128, 3200, 3300) Variable pre-reqs variable
	Spring Semester 10 ASEN 4028 Senior Projects 2: Design Practicum Professional Area Electives Upper-division Humanities/Social Science Elective Free Electives	6 4 6 3 3	"C" or better in ASEN 4018 Variable Variable Variable
	courses accented		

*	APPM OR MATH courses accepte	d
	APPM1350=MATH 1300	APPM 2350=MATH 2400
	APPM 1360=MATH 2300	APPM 2360=MATH 3430 AND MATH 2130

** Programming a prerequisite for allASEN courses =>200e/vel. Recommend CSCI 0342 Computer Science 1All AES students 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 Semior Standing in Aerospace Engineering = satisfactory completion of all junier-Aerospace course requirements.

Professional Area Electives (PAE3000, 4000, or 5000evel Math, Science or Engineering Courses. Total number of PAE creatives the Degree Audit to get a full list of approved PAEs.

- x Free Electives:Total = 7credit hrs. Free Electives are courses outside of major/minor coursework.
- x Humanities & Social Sciences (HSS): 9 credit hoursweet division (LDHS) \$6 credit hours of upper division (DHS) \$8 3 credit hours of upper division writing) (DWRT) (students can only take HUEN 1010 in their freshmen fore at to be used toward the DWRT) Compared to the approved listfound online.