

Bachelor of Science – Applied Statistics Major (Four Year Plan)

YEAR 1

Semester 1		Semester 2	
Course Number	Credit Hours	Course Number	Credit Hours
ENG 1301 (Composition I)[#] P: One of the following: (1) TSI ESSAY score of 4 and WRITING score of 340, (2) TSI ESSAY score of 5 and ABE WRITING diagnostic level 4, (3) TSI WRITING complete, OR (4) TSI WRITING exempt	3	ENG 1302 (Composition II) P: A grade of C or better in ENG 1301 or placement by examination	3
*MATH 2421 (Differential and Integral Calculus with Applications)[#] P: Grade of C or higher in one of the following: MATH 1505, MATH 1404, MATH 1305, or MATH 1306. NOTE: See catalog for business track option	4	DATA 2401 (Data Science I) P: Grade of C or better in MATH 1505	4
UHD 1302 (Freshman Seminar - Mathematics) Transfer students see advisor for options	3	MATH 2305 (Discrete Math)^{&} P: C or better in MATH 1404 or MATH 1505, or both of MATH 1305 and MATH 1306 or placement by exam at UH-Downtown (can be swapped for MATH 2307)	3
Approved Life and Physical Science course (p. 60) P: Refer to catalog	3	Approved Life and Physical Science course (p. 60) P: Refer to catalog	3
		POLS 2305 (Federal Government) P: Enrollment in or completion of ENG 1301 or 010 core complete	3
Total Semester Hours	13	Total Semester Hours	16

YEAR 2

Semester 3		Semester 4	
Course Number	Credit Hours	Course Number	Credit Hours
Quantitative Science Elective See catalog for options	3	*STAT 3333 (Statistical Inference) P: At least a grade of C in MATH 3302 NOTE: See catalog for business track option	3
*MATH 3302 (Probability & Statistics) P: A grade of C or better in MATH 2402 or MATH 2421 NOTE: See catalog for business track option	3	CS 1410 (CS I – Intro to CS w/C++) P: Credit or enrollment in MATH 1404 or 1505 or 1306; and placement in ENG 1301 or above (can be switched with CS 1311 or CS 1408)	4
Approved Oral Com. course (p. 60) P: Refer to catalog	3	Minor course Any university approved minor	3
POLS 2306 (Texas Government) P: Enrollment in or completion of ENG 1301 or 010 core complete	3	Approved Social and Behavioral Sciences course (p. 60) P: Refer to catalog	3
Approved Language, Philosophy, and Culture course (p. 60) P: Refer to catalog	3	Approved Am. Hist. course (p. 60) P: Enrollment in or completion of ENG 1301 or 010 core complete	3
Total Semester Hours	15	Total Semester Hours	16

YEAR 3

Semester 5		Semester 6	
Course Number	Credit Hours	Course Number	Credit Hours
4000L Stat Elective See catalog for options	3	Quantitative Science Elective (3000-4000L) See catalog for options	3
Quantitative Science Elective See catalog for options	3	4000L STAT Elective course See catalog for options	3
Quantitative Science Elective (3000-4000L) See catalog for options	3	Minor course Any university approved minor	3
Minor course Any university approved minor	3	Minor course Any university approved minor	3
Approved American History course (p. 60) P: Enrollment in or completion of ENG 1301 or 010 core complete	3	Approved Creative Arts course (p. 60) P: Refer to catalog	3
Total Semester Hours	15	Total Semester Hours	15

YEAR 4

Semester 7		Semester 8	
Course Number	Credit Hours	Course Number	Credit Hours
STAT 4395 (Senior Project in Statistics) P: 3.0 GPA, senior standing and departmental approval (can be switched with TCOM 3302)	3	4000L STAT Elective See catalog for options	3
Quantitative Science Course (3000-4000L) See catalog for options	3	Minor course Any university approved minor	3
Minor course Any university approved minor	3	Quantitative Science Elective (3000-4000L) See catalog for options	3
Free Elective (if needed)	3	Free Elective (if needed)	3
Free Elective (if needed)	3	Free Elective (if needed)	3
Total Semester Hours	15	Total Semester Hours	15

Total Credit Hours Required 120

* Critical course required to stay on track within major and take subsequent courses

Students are expected to place into ENG 1301 and MATH 2401 via CLEP or Bypass exams – placement tests determine which english or math course students should start with and additional courses may be necessary

& Satisfies both common core and major requirement/prerequisite