UNIVERSITY POLICIES
• Refer to the SU catalog for approved prerequisites and General Education courses.
• Requirements may not equal 120 credit hours. Students must register for additional electives to complete 120 credits required for graduation.
• All graduates must have a minimum of 30 credits of 300/400-level courses with C grade or above; at least 15 of these credits must be taken at SU.
• Students must have a minimum cumulative GPA of 2.0 for graduation.
• Students must complete at least 30 credit hours by direct classroom instruction and/or laboratory experience.
• Students must take 30 of the last 37 credit hours at SU.
• It is the student’s responsibility to satisfy graduation requirements.
• Please refer to the SU catalog for detailed major requirements.

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Students must apply online for graduation by November 15 for May and by May 15 for December.

DATA SCIENCE • Astrostatistics Track 2020-2021
MATHEMATICS AND COMPUTER SCIENCE DEPARTMENT • HENSON SCHOOL
NAME:_____________________________________________________ ID#:_________________________ DATE:_______________________

DATA SCIENCE • Astrostatistics Track

MAJOR REQUIREMENTS
• All courses taken for the major must be completed with a grade of C or better.

Course No. & Title     #Credits  Grade  Term
Completed

DATA SCIENCE CORE (9 courses)
COSC117 - Programming Fundamentals  4
COSC120 - Computer Science I  4
COSC311 - Introduction to Data Science  4
MATH201 - Calculus I  4
MATH202 - Calculus II  4
MATH216 - Statistical Thinking  4
MATH306 - Linear Algebra  4
DSCI470 - Research Methods in Data Science  3
DSCI490 - Capstone Project  3

ASTROSTATISTICS TRACK (4 courses)
PHYS221 - Physics I  4
PHYS223 - Physics II  4
PHYS307 - Astronomical Surveys and Databases  3

Complete 1 course from the following:
PHYS108 - Introduction to Astronomy  4
or
PHYS317 - Astrophysics and Stellar Astronomy  3

MAJOR REQUIREMENTS

GENERAL EDUCATION REQUIREMENTS

Course No. & Title     #Credits  Grade  Term
Completed

Group I: English Composition and Literature (2 courses)
A. C or better in ENGL 103 or HONR 111  4
B. Literature course (from either ENGL or MDFL Dept.)  4

Group II: History (2 courses)
A. HISI101, 102, or 103  4
B. HISI101, 102, 103 or a HISI course above 103  4

Group III: Humanities and Social Sciences (3 courses)
A. Select one course from one of the following seven areas:
   ART, COMM, DANC or THEA, MDFL, MUSC, PHIL, HONR 211  4
B. Select one course from one of the following eight areas:
   ANTH, CADR, ECON or FINA, Env 112, Human GEOG, POSC, PSYC, SOCI, HONR 112  3/4
C. Select one course from either Group IIIA or IIIB
   (course must be from a different area than previously selected)  4

Group IV: Natural Science, Math and Computer Science (4 courses)
A. Select courses with laboratories from at least two of the following four areas:
   BIOL, CHEM, GEOG or Physical GEOG, PHYS
   FULFILLED BY MAJOR
B. Select one additional course (need not be a lab) from Group IVA
   or ENVR or COSC or MATH or HONR 212
   FULFILLED BY MAJOR
C. Select one course from MATH
   FULFILLED BY MAJOR

Group V: Health Fitness (1 course)
FTWL106 - Lifelong Fitness and Wellness  3