DATA SCIENCE • Astrostatistics Track
MATHEMATICS AND COMPUTER SCIENCE DEPARTMENT • HENSON SCHOOL

NAME:_____ ID#:_____ DATE:_____

THIS CURRICULUM GUIDE IS AN UNOFFICIAL TOOL FOR PLANNING.
Matriculated students and advisors should consult the Academic Requirements Report in GullNet before and after registering for classes each semester to track academic progress.

UNIVERSITY POLICIES
- Refer to the SU catalog for approved prerequisites and General Education courses.
- All graduates must have a minimum of 120 credits.
- All graduates must have a minimum of 30 credits of 300/400-level courses with C grade or above; at least 15 of those 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.

First Year

❑	COSC 117	Programming Fundamentals	4
❑	MATH 201	Calculus I	4
❑	HIST 10X	Gen. Ed. IIA (HIST 101, 102 or 103)	4
❑	ENGL 103	Composition and Research	4
			16
❑	COSC 120	Computer Science I	4
❑	MATH 202	Calculus II	4
❑	HIST XXX	Gen. Ed. IIB History course	4
❑	ENGL XXX	Gen. Ed. IB Literature course	4
			16/32

Winter/Summer Term
List courses that were taken during winter/summer terms:
- ❑ _____ _____ ....____
- ❑ _____ _____ ....____

Second Year

❑	MATH 216	Statistical Thinking	4
❑	MATH 306	Linear Algebra	4
❑	IIIA	Gen. Ed. Humanities course	4
❑	IIIB	Gen. Ed. Social Science course	3-4
			15-16/47-48
❑	COSC 311	Introduction to Data Science	4
❑	IIIC	Gen. Ed. Humanities/Social Science course	3-4
❑	FTWL 106	Lifelong Fitness and Wellness	3
❑	Elective	General Elective	3-4
			13-15/60-63

Winter/Summer Term
List courses that were taken during winter/summer terms:
- ❑ _____ _____ ....____
- ❑ _____ _____ ....____

Third Year

❑	PHYS 108 OR	Introduction to Astronomy	4
❑	PHYS 317	Astrophysics and Stellar Astronomy	3
❑	PHYS 221	Physics I	4
❑	IVA	Gen. Ed. Lab Science course (non-PHYS)	4
❑	Elective	3XX/4XX Level Elective	3-4
			14-16/74-79
❑	PHYS 223	Physics II	4
❑	Elective	3XX/4XX Level Elective	3-4
❑	Elective	3XX/4XX Level Elective	3-4
❑	Elective	3XX/4XX Level Elective	3-4
			13-16/87-95

Winter/Summer Term
List courses that were taken during winter/summer terms:
- ❑ _____ _____ ....____
- ❑ _____ _____ ....____

Fourth Year

❑	DSCI 470	Research Methods in Data Science	3
❑	PHYS 307	Astronomical Surveys & Databases	3
❑	Elective	3XX/4XX Level Elective (if needed)	3-4
❑	Elective	Needed for 120 Credits	3-4
			12-14/99-109
❑	DSCI 490	Capstone Project	3
❑	Elective	Needed for 120 Credits	3-4
❑	Elective	Needed for 120 Credits	3-4
❑	Elective	Needed for 120 Credits	3-4
			12-15/111-124

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