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

GENERAL EDUCATION REQUIREMENTS

<table>
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<tr>
<th>Course No. &amp; Title</th>
<th>#Credits</th>
<th>Grade</th>
<th>Term Completed</th>
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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 Depts.) 4

Group II: History (2 courses)
- A. HIST101, 102, or 103 4
- B. HIST101, 102, 103 or a HIST 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
- B. Select one course from one of the following eight areas:
  - ANTH, CADR, ECON or FINA, ENVR, 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) 3/4

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, GEOL or Physical GEOG, PHYS
- B. Select one additional course (need not be a lab) from Group IVA or ENVR or ENVR or COSC or MATH or HONR 212
- C. Select one course from MATH

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

DATA SCIENCE • Mathematical Data Science Track 2019-2020

<table>
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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

MATH 310 - Calculus III 4

Complete 4 courses from the following (circle courses taken):
- MATH 411 - Design and Analysis of Experiments 4
- MATH 413 - Mathematical Statistics I 4
- MATH 414 - Mathematical Statistics II 4
- MATH 471 - Numerical Methods 4
- MATH 472 - Numerical Linear Algebra 4
- MATH 490 - Special Topics (Department Approved) 4
- MATH 493 - Advanced Topics in Statistics 4
- MATH 495 - Directed Consulting (Department Approved) 4

MAJOR REQUIREMENTS

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

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FULFILLED BY MAJOR