BS Applied & Computational Mathematics Curriculum Flowchart (2016-17)-120 credits Senior Year Freshman Year Freshman Year Sophomore Year Sophomore Year Junior Year Junior Year Senior Year First Second First Second First Second First Second Semester Semester Semester Semester Semester Semester Semester Semester 14cr 15cr 16cr 16cr 15cr 15cr 15cr 14cr PHYS 211/A \*6 CSC 251 **MATH 413 MATH 443 MATH 423 MATH 424 MATH 110** Physics I **Finite Struct** Abst Algebra I Adv Calc I Data Analysis Adv Calc II Comp. Sci & Math (4cr) (F/S) (3cr) (F) (3/0cr) (F/S) (3cr) (S) (4cr) (F) (4cr) (S) (1cr) (F) \*5 \*5 **MATH 382 MATH 123** \*5 **MATH 125 MATH 225 MATH 315 MATH 381 MATH 432 MATH 451** Calculus I Calculus II Calculus III Linear Algebra Intro To Prob & Intro to Prob & Partial Diff Eq Math Modeling Stat Stat II (3cr) (4cr) (4cr) (F/S) (3cr) (S) (F) (3cr) (S) (F/S) (4cr) (F/S) (3cr) (F/S) (F/S)(3cr) **MATH 421 MATH 498 MATH 402 MATH 373** CSC 150/L Science \*6 **MATH 321** PHYS 213/A \*6 Complex Undergrad Comm Math Intro Num Comp Sci I/Lab Elective/Lab Diff Ea Physics II Analysis Research Analysis (3cr) (S) (1cr) (F/S) (1cr) (F/S) (3cr) (F/S) (F/S) (3/0cr) (F/S) (3/1cr) (F/S) (3cr) (3/0cr) (F/S) HUM/SS **ENGL 101** CSC 250 ENGL 279 \*1/2 ENGL 289 \*1/2 **MATH 452** \*1 Department Department Tech Comm II **Adv Studies** Composition I Comp Sci II Tech Comm I 300/400 Elective Approved Approved Elective Elective Math (3cr) (F/S) (4cr) (F/S) (3cr) (F/S) (3cr) (F/S) (3cr) (F) (3cr) (F/S) (4cr) (F/S) (3cr) (F/S) 100/200 \*3/4 100/200 \*3/4 100/200 \*3/4 100/200 \*3/4 Department Department Non-Technical Department HUM/SS Elective HUM/SS Elective HUM/SS Elective HUM/SS Elective Approved Approved Elective Approved Elective Elective Elective (3cr) (3cr) (3cr) (F/S) (3cr) (F/S) (F/S) (3cr) (F/S) (F/S) (3cr) (F/S) (3cr) (F/S) (3cr) (F/S)

Courses that are offered in Fall ONLY or Spring ONLY are indicated by F or S semesters, respectively. Courses indicated F/S are offered Fall and Spring semesters. \*1-6 Indicates courses that may be used to satisfy goals 1-6 of the system general education requirements.

Refer to the 2016-17 academic catalog for additional information regarding system general education requirements, elective courses, pre-/co-requisites and grade requirements. A list of approved or recommended electives and other supplemental information may be obtained from your academic department

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