Revised Math & CS B.S. Degree.

List of Mathematics Requirements:
Math 1041 (4 cr.) Calculus I
Math 1042 (4 cr.) Calculus II
Math 2043 (4 cr.) Calculus III
Math 2101 (3 cr.) Linear Algebra
Math 2196 (3 cr.) Basic Mathematical Concepts or Math 3003 (3 cr.) Theory of Numbers
Math 3096 (3 cr.) Introduction to Modern Algebra or Math 3098 (3 cr.) Modern Algebra
Math 3031 (3 cr.) Introduction to Probability Theory
Math 3137 (3 cr.) Real & Complex Analysis I or Math 3043 (4 cr.) Numerical Analysis I
Math 3138 (3 cr.) Real & Complex Analysis II or Math Elective (3 cr.)
Math 4096 (3 cr) Senior Problem Solving or CIS 4398 (4 cr.) W version of Projects in C

Subtotal 33-4 credits

List of Computer Science Requirements:
CIS 1068 (4 cr.) Program Design and Abstraction
CIS 1166 (4 cr.) Mathematical Concepts in Computing I
CIS 2107 (4 cr.) Computer Systems and Low-Level Programming
CIS 2166 (4 cr.) Mathematical Concepts in Computing II
CIS 2168 (4 cr) Data Structures
CIS 3207 (4 cr.) Introduction to Systems Programming and Operating Systems
CIS 3223 (4 cr.) Data Structures and Algorithms
CIS Elective (4 cr.)

Subtotal 32 credits

List of other Requirements:
Physics 1061 Elementary Classical Physics I or Chem 1031/1033 General Chemistry I with Laboratory Science I (4 cr.)
Physics 1062 Elementary Classical Physics II or Chem 1032/1034 General Chemistry II with Laboratory Science II (4 cr.)

Subtotal 8 credits

Total 73-4 credits

Comparison to old Math & CS BS:

Changed
- CIS 4298 (4 cr.) or CIS 4397 (4 cr.) removed as options for the capstone—all will take Math 4096 (3 cr.)
- Math 3003 or 3098 changed to Math 2196 or 3003 (still 3 cr.)
- 1 Math elective changed to Math 3096 or 3098 (still 3 cr.)
- Math 3043 changed to Math 3137 or 3043 (was 4 cr., now 3-4 cr.)
- 1 Math elective changed to Math 3138 or Math elective

Removed
1 of the 2 CIS Electives (4 cr.)