Restructured Natural Science, B.A. Degree.

List of new requirements:

1. **Basic Requirements:** (44-48 cr. total)
   
a. **Math Options**
   
   Option 1 (4 cr.)
   Math 1031, Basic Concepts of Calculus

   Option 2 (8 cr.)
   Math 1041 & 1042 Calculus
   Math 1941 & 1942 Calculus for Honors Students

   b. **Biology**—One of the following (8 cr. total):
   Biology 1011 & 1012, General Biology
   Biology 1111 & 2112, Introduction to Biology
   Kinesiology 1223 & 1224, Human Anatomy and Physiology

   c. **Chemistry**—One of the following (8 cr. total):
   Chemistry 1021-1024, Introduction to Chemistry
   Chemistry 1031-1034, General Chemistry
   Chemistry 1041-1044, General Chemistry for Chemistry Majors
   Chemistry 1951-1954, General Chemistry for Honors Students

   d. **Geology**—(4 cr. total):
   Geology 1001 or 2001, Introduction to Geology

   e. **Physics**—One of the following (8 cr. total):
   Physics 1021 & 1022, Introduction to General Physics
   Physics 1061 & 1062, Elementary Classical Physics
   Physics 2021 & 2022, General Physics
   Physics 2921 & 2922, General Physics

   f. **Other Requirements**—All of the following (12 cr. total):
   Physics 0846, Universe as we Know it
   Engl 2696, Technical Writing
   Phil 2196 Perspectives in Science & Mathematics
   CST 4351, Paradigms of Scientific Knowledge (Capstone)

2. **Upper Level Concentration** (12-16 cr. total)
   Students in the Natural Science Program must choose a concentration area and complete a total of 4 upper level courses (of three or more credits) in chemistry, biology, geology or physics. Course selections must be done in consultation with a CST advisor.

3. **Qualifying Examination** (0 cr. total)
   All students in this program must take a qualifying examination after completion of the basic course work described in 1 and 2(a-d).

**Total Credit Hours: 56-64**
**Upper Level Credit Hours: = 21-37**
Comparison to old Natural Science BA:

Added
Engl 2696, Technical Writing (3 cr.)

Changed
Physics 1004 (Astronomy) to Phys 0846 (Universe as We Know It) (changed from 4 to 3 cr.)
CST 3001 (History of Science) or Phil 3216 (Philosophy of Science) to Phil 2196 (Perspectives in Science & Mathematics)
CST 4351 to choice of CST 4351 or CST xxxx Research Methods

Eliminated
CIS 1068, Program Design and Abstraction (4 cr.)
No longer required to take a writing intensive course amongst the upper level concentration courses since now have two writing intensive requirements for the major (Engl 2696 and Phil 2196)

Previously 62-69 credits
Now 56-64 credits