Restructured General Science with Teaching, B.S. 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 xxxx Research Methods (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 (a-e).*

**Subset Credit Hours:** 56-64
4. **TUteach Additional Requirements** (21 additional cr. total)
   - UTechh Step 1 (1 cr.)
   - UTechh Step 2 (1 cr.)
   - UTechh Knowing and Learning (3 cr.)
   - UTechh Classroom Interactions (3 cr.)
   - UTechh Perspectives in Science & Mathematics (credits already counted)
   - UTechh Language & Literacy in Math & Sci (3 cr.)
   - UTechh Research Methods (credits already counted)
   - UTechh Project-Based Instruction (3 cr.)
   - UTechh Apprentice Teaching (6 cr.)
   - UTechh Apprentice Teaching Seminar (1 cr.)

**Total Credit Hours: 77-85**

**Upper Level Credit Hours: = 34-50**

**Comparison to old General Science with Teaching BS:**

**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 4351 to CST xxxx Research Methods (changed from 3 cr. to 0 additional cr.)

**Eliminated**
- CIS 1068, Program Design and Abstraction (4 cr.)
  - Removed requirement 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 82-90 credits**
**Now 77-85 credits**