

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