TO: María Soliño, Chair
Undergraduate Committee

APPROVED FEB 2 0 2013

FROM: Andrea Burridge, Chair
Degree Programs and CBM003 Subcommittee – 1

SUBJECT: Subcommittee Report

DATE: February 14, 2013

The Degree Programs/CBM003 Subcommittee 1 met on February 13th at 3:00 pm in room 404 Farish Hall.

Members present: Charles Peters, Richard Kasschau, Andrea Burridge
Guests: Simon Bott, Chemistry; Paige Evans, Physics; Shuhab Khan, Earth and Atmospheric Sciences: NSM

CBM003 Forms – Course Deletions

Subject to minor editorial changes, the Subcommittee recommends the approval of the following course deletions:

1. UC 12193 12F COSC 1301: Fortran Programming
2. UC 12194 12F COSC 1302: Cobol Programming
3. UC 12195 12F COSC 3351: Software Design
4. UC 12220 12F PHYS 1307: Physics of Energy in the 21st Century

Course Changes

Subject to editorial changes, the Subcommittee recommends the approval of the following course changes:

1. UC 12197 12F GEOL 1102: Introduction to Climate Change Laboratory
2. UC 12198 12F GEOL 1150: Introduction to Meteorology Laboratory
3. UC 12200 12F GEOL 3342: Principles of Air Pollution
4. UC 12201 12F GEOL 3378: Principles of Atmospheric Science
5. UC 12202 12F GEOL 3382: Atmospheric Chemistry
6. UC 12204 12F GEOL 4338: Advanced Climate Change
7. UC 12214 12F CHEM 1372: Fundamentals of Chemistry for Engineers
8. UC 12217 12F MATH 3330: Abstract Algebra
9. UC 12218 12F MATH 3333: Intermediate Analysis
10. UC 12219 12F MATH 3334: Advanced Multivariable Calculus

Course Additions

Subject to editorial changes, the Subcommittee recommends the approval of the following course additions:

1. UC 12199 12F   GEOL 1160: Introduction to Oceanography Laboratory
2. UC 12203 12F   GEOL 4336: Atmospheric Radiation
3. UC 12205 12F   GEOL 4342: Air Pollution Meteorology
4. UC 12206 12F   GEOL 4344: Atmospheric Transport and Diffusion
5. UC 12207 12F   GEOL 4345: Applied Plume Modeling
6. UC 12216 12F   MATH 3325: Transition to Advanced Mathematics
7. UC 12221 12F   PHYS 4342: Science by Inquiry

Degree Plans

UC 12255 13S: Honors Biomedical Sciences Program (HBS)

The B.S. in Honors Biomedical Sciences (HBS) would provide a rigorous, competency-based undergraduate education for highly qualified students interested in professional schools and careers in the Health Sciences.   The HBS program would provide three tracks:

 (1) The primary track in which students would complete a senior year of high level sciences courses that would make them very attractive, well-prepared candidates for admission into graduate and professional schools.
(2) 3/4 Medical School Option in which UH, partnered with selected medical schools, would jointly recruit and select HBS participants. Those who continue to meet selective criteria in GPA and MCAT score would enter medical school for their fourth year of study, which would then fulfill degree requirements for their Bachelor of Science degree in HBS.
(3) Pharmacy School Option: Students admitted into the UH School of Pharmacy would use their first year of coursework to fulfill BS requirements.

Students would minor in Medicine and Society, offered through the Honors College

Prerequisites for admission to HBS:
1) SAT (CR & Math) 1350 minimum (ACT equivalent 31)
2) Acceptance into UH and into the Honors College
3) Either at least a 4 on at least one math or science AP exam, or a 7 on the IB before beginning classes.

3/4 Medical School Option
1) SAT 1400 (CR & Math) 1400 minimum (ACT equivalent 32)
2) Acceptable letters of recommendation and personal statement
3) Successful interviews with UH and Medical School personnel.

Retention requirements are a 3.40 GPA overall and a 3.40 Science GPA for HBS. Because of the rigorous and specialized nature of the coursework, no alternative courses or credit options would be considered as replacements for any of the required science, math, or Medicine in Society Coursework. Acceptance into Medical School requires 32 on the MCAT, 3.80 overall GPA, and a 3.7 Science GPA.

The Subcommittee recommends approval of this proposal.