Additional Course and Program Information for CUE REPORT

A. List of Proposed Course Credit Changes to the Following Undergraduate Programs Organized by Department or School

1. Chemistry and Environmental Science

(a) B.S. in Civil Engineering

i. New 5 year (co-op) versions of curriculum

2. Engineering Technology

(a) B.S. in Applied Physics (Astronomy and Astrophysics Option and Optical Science and Engineering Option)

i. Eliminate 8 credits of social sciences and PE to reflect new GER
ii. Added 2 free electives
iii. Courses rearranged to balance student load and reflect current offering patterns
iv. Programs requires 126 credits each

(b) B.S. in Applied Physics/Applied Mathematics (double major)

i. Eliminate 8 credits of management and PE to reflect new GER
ii. Courses rearranged to balance student load and reflect current offering patterns
iii. Program now requires 122 credits

3. Biology

(a) B.S. in Biology

i. Eliminate 8 credits of social sciences and PE to reflect new GER
ii. Updated chemistry laboratory requirements
iii. Recommendation given for math cognate course and one technical elective
iv. Courses rearranged to balance student load and reflect current offering patterns
v. Program now requires 123 credits

(b) B.A. in Biology

i. Program now has 4 specified concentrations: Cell biology, ecology and evolution, neurobiology, and general biology
ii. Eliminate 8 credits of social sciences and PE to reflect new GER
iii. Updated chemistry laboratory requirements
iv. Technical elective added to maintain minimum credit requirements
v. Courses rearranged to balance student load and reflect current offering patterns
vi. Program now requires 120 credits in each concentration

4. **Biomedical Engineering**
    (a) B.S. in Biomedical Engineering--Prehealth track
        i. Program adds 5 credits of courses required by medical schools to the existing biomaterials track in major, which has previously been reduced by 8 credits to reflect the new GER
        ii. Program now requires 131 credits for prehealth biomaterials track
    (b) B.S. in Biomedical Engineering--Accelerated prehealth track
        i. Eliminate BME 102 (1 credit) from program previously updated to reflect new GER
        ii. Program now requires 125 credits

5. **Engineering Technology**
    (a) B.S. in Engineering Technology, Construction Management Technology
        i. Eliminate 5 credits of social sciences and PE to reflect new GER
        ii. Eliminate 3 credits of technical electives
        iii. Course rearranged to balance student load and reflect current offering patterns
        iv. Program now requires 126 credits
    (b) B.S. in Computer Science/Applied Mathematics (double major)
        i. Eliminate 8 credits of social sciences and PE to reflect new GER
        ii. Math elective replaces required math course
        iii. Courses rearranged to balance student load and reflect current offering patterns
        iv. Program now requires 127 credits
    (c) B.S. in Computer Science/Computational Mathematics (double major)
        i. Eliminate 8 credits of social sciences and PE to reflect new GER
        ii. Courses rearranged to balance student load and reflect current offering patterns
        iii. Program now requires 127 credits
    (d) B.S. in Computer Science/Applied Physics (double major)
        i. Eliminate 8 credits of social sciences and PE to reflect new GER
        ii. CS 356 added as a required course
        iii. Courses rearranged to balance student load and reflect current offering patterns
        iv. Program now requires 133 credits
6. **Business**
    (a) B.S. in Business
        i. Eliminate 2 credits of PE to reflect new GER
        ii. Eliminate Math 105, HUM 251 or 300 level Phil, ENG 200 or 300 level ENG, and a free elective
        iii. Adds MGMT 116, MIS 385, and MIS 445

iv. Courses rearranged to balance student load and reflect current offering patterns
v. Program now requires 120 credits

7. Informatics

(a) Minor in Data Analytics
i. Clarify that statistics course may not double count as major requirement or GER requirement
ii. Statement encouraging a calculus-based statistics course added
iii. Add OM 375 and an Independent Study course as possible course options
iv. Program still requires 15 credits

(b) Minor in Design of the User Experience
i. Eliminate 2 required Rutgers courses
ii. Add 18 courses as possible choices
iii. Program still requires 15 credits

(c) B.S. in Business and Information Systems
i. Eliminate 5 credits of social sciences and PE to reflect new GER
ii. Add Math 101 and Math 111 as alternatives to Math 138
iii. Eliminate a general elective
iv. Eliminate CS 356 as alternative to IT 120 due to a prerequisite change
v. Freshman seminar made alternative to YWCC 107
vi. Thesis option added as alternative to a senior project
vii. Courses rearranged to balance student load and reflect current offering patterns
viii. Program now requires 120-122 credits

(d) B.S. in Human-Computer Interaction
i. Eliminate 5 credits of humanities and PE to reflect new GER
ii. Eliminate 1 credit of science laboratory
iii. Replace no longer offered Rugters course with a general elective
iv. Freshman seminar made alternative to YWCC 107
v. Thesis option added as alternative to a senior project
vi. Courses rearranged to balance student load and reflect current offering patterns
vii. Program now requires 122-123 credits

(e) B.S. in Web and Information Systems
i. Eliminate 8 credits of social sciences and PE to reflect new GER
ii. Freshman seminar made alternative to YWCC 107
iii. Thesis option added as alternative to a senior project
iv. Courses rearranged to balance student load and reflect current offering patterns
v. Program now requires 120-122 credits

(f) B.S. in Science, Technology, and Society/Business and Information Systems (double major)

i. Eliminate 5 credits of humanities and PE to reflect new GER
ii. Eliminate STS elective
iii. Replace STS elective with choice of IE 492 or ENTR 410
iv. Add Math 101 as an alternative to Math 138
v. Eliminate MIS 245 as an alternative to IS 265
vi. Eliminate CS 356 as alternative to IT 120 due to a prerequisite change
vii. Freshman seminar made alternative to YWCC 107
viii. Courses rearranged to balance student load and reflect current offering patterns
ix. Program now requires 120-121 credits