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SR-04-05-(33) 90 CC

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CURRICULUM COMMITTEE
RECOMMENDATION

SR-04-05-(33) 90 CC

Recommends approval of the listed **MAJORS, CERTIFICATE PROGRAMS, AREAS OF EMPHASIS—ADDITIONS/CHANGES** from the **COLLEGE OF SCIENCE.**

Modification of an existing major: B.S., Mathematics
Description: Remove MTH 427, 445, and 450 from the list of required courses; create a requirement of two sequences selected from MTH 427 & 428, MTH 450 & 452, MTH 460 & 461, and MTH 430 & 431; exempt majors from the COS minor requirement; change the number of required elective courses to depend on outside majors and minors—a double major including an outside major needs no electives—a major with an outside minor must complete two electives—a major without an outside major or minor must complete four electives, elective courses may not duplicate sequence requirements; add MTH 405, 427, 430, 431, 440, 445, 450, 452, 455, 460, and 461; allow students to complete a double major in Mathematics and Applied Mathematics by completing four different sequences that satisfy the sequence requirements of both majors and four elective courses-no reduction in electives will be allowed for an outside major or minor, this double major is 60 credit hours; and an advisor from the Department of Mathematics must approve a student's selections of sequences and electives before graduation, this does not include the selection of outside majors and minors.

Creation of a new major: B.S., Applied Mathematics
Description: Required courses – MTH 229, 230, 231, 300 and either 491 or 490; in addition, two sequences selected from MTH 335 & 415, MTH 442 & 443, MTH 460 & 461, and MTH 445 & 446; applied Mathematics majors are exempt from the COS minor requirement; the number of required elective courses depends on outside majors and minors—a double major including an outside major needs no electives—a major with an outside minor must complete two electives—a major without an outside major or minor must complete four electives, elective courses may not duplicate sequence requirements and the elective courses are MTH 335, 405, 411, 415, 427, 428, 430, 431, 440, 442, 443, 445, 446, 448, 449, 450, 452, 455, 460, and 461; students may complete a double major in Mathematics and Applied Mathematics by completing four different sequences that satisfy the sequence requirements for both majors and four elective courses, no reduction in electives will be allowed for an outside major or minor, this double major is 59 or 60 credit hours; and an advisor from the Department of Mathematics must approve a student's selections of sequences and electives before graduation, this does not include the selection of outside majors and minors.

FACULTY SENATE CHAIR:

APPROVED
BY SENATE: _____ DATE: 4/18/2005

DISAPPROVED
BY SENATE: _____ DATE: _____

UNIVERSITY PRESIDENT:
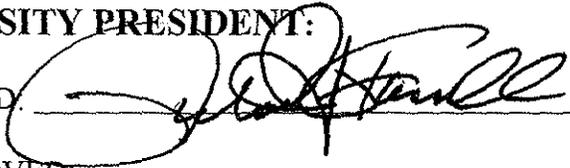
APPROVED: _____ DATE: 4/21/05

DISAPPROVED: _____ DATE: _____

COMMENTS: _Great idea!_ _____

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