Proposal to Change

The General Education Math/Logic Requirement

• **Change the General Education Math/Logic Requirement from:**

“6 credit hours from the list of approved courses satisfying the math or logic general education requirement” to

“Completion of MATH 120 or HONS 115 or transfer credit for any one of MATH 220, MATH 221, MATH 323 (any of which requires the comprehension of the content of MATH 120/HONS 115); or 6 credit hours from the remaining list of approved courses satisfying the math/logic general education requirement.

**Rationale:** MATH 120 Introductory Calculus (4) and HONS 115 Honors Calculus (4) are the only math general education courses (other than MATH 220) that have a content requirement pre-requisite (MATH 111), which also is an approved course for the general education Math/Logic requirement. If one successfully completes MAATH 120 or HONS 115, then he or she has demonstrated proficiency in MATH 111 and should be given Math/Logic general education credit for it. On another level, MATH 120 or HONS 115 is far more comprehensive, rigorous, and challenging mathematics’ course than any two of MATH 103, 104, 10, and 250. Scientific calculus is a highly appropriate college-level mathematics course at a liberal arts institution. Both courses capture a major intellectual achievement in Western thought, representing a profound breakthrough for mathematics and for science by providing tools for the precise modeling of a universe of scientific phenomena.

• **Remove MATH 220 Calculus II/HONS 215 Honors Calculus II from the list of approved courses.**

**Rationale:** Should the proposal to change the Math/Logic requirement gain approval, MATH 220/HONS 215 would no longer be necessary to satisfy the general education Math/Logic requirement, since credit for MATH 120/HONS 115 is necessary to place into MATH 220/HONS215.