MEMORANDUM

TO: Dr. G. Nelson, Dean, College of Sciences

FROM: Dr. V. Lakshimkantham, Head, Mathematical Sciences

DATE: April 29, 2005

SUBJECT: Mathematical Sciences Minors

Calculus I and Calculus II are now included in the total number of hours for each minor. These changes were deemed necessary by the Chair of the Undergraduate Curriculum Committee, Dr. Clayton Baum.
Department of Mathematical Sciences

Requirements for the Minor in Computational Mathematics (21 credit hours)

MTH 1001 Calculus 1
MTH 1002 Calculus 2
MTH 2201 Differential Equations with Linear Algebra
MTH 4311 Numerical Analysis
MTH 4320 Neural Networks
MTH 4082 Parallel Processing

Any student that has taken these courses, but has not satisfied the requirement of at least 9 credit hours being unnamed courses may take any mathematics course at the 2000 level or above to satisfy that requirement.

Requirements for the Minor in Pure Mathematics (21 credit hours)

Calculus 1 Calculus 1
Calculus 2 Calculus 2
MTH 2001 or MTH 2201 Calculus 3/Differential Equations with Linear Algebra /
MTH 3102 Introductory Linear Algebra
MTH 4101 Introductory Analysis
MTH 4105 or MTH 4051 Topology/ Abstract Algebra

Any student that has taken these courses, but has not satisfied the requirement of at least 9 credit hours being unnamed courses may take any mathematics course at the 2000 level or above to satisfy that requirement.

Requirements for the Minor in Applied Mathematics (20 credit hours)

Calculus 1 Calculus 1
Calculus 2 Calculus 2
MTH 2001 Calculus 3
MTH 2201 Differential Equations with Linear Algebra
MTH 3201 or MTH 3101 Boundary Value Problems/Complex Variables
Or MTH 4201 Models in Applied Mathematics

Any student that has taken these courses, but has not satisfied the requirement of at least 9 credit hours being unnamed courses may take any mathematics course at the 2000 level or above to satisfy that requirement.