

HENDRIX

PROPOSED REVISION FOR MAJOR OR MINOR

Deadline for Area approval: 21 October 2011

Proposer: Chris Camfield

Date: October 3, 2011

Department/Program: Mathematics and Computer Science

Area: Natural Sciences

Check appropriate boxes:

- ☐ New major/minor/related changes
- ☒ Change in major
- ☐ Change in minor

Proposed change—one sentence summary:

Replace Discrete Math with Linear Algebra as a requirement for the major in mathematics.

Proposed subject code: MATH

Proposed catalog copy for requirements:

11 courses distributed as follows:

MATH 130 Calculus I

MATH 140 Calculus II

MATH 270 Linear Algebra

MATH 290 Introduction to Advanced Mathematics

One of the following two-course sequences:

MATH 320 Algebra and MATH 420 Seminar in Algebra

MATH 350 Real Analysis and MATH 450 Seminar in Analysis

Two courses chosen from the following:

any mathematics course numbered 230 or above

CSCI 151 Foundations of Computer Science II

CSCI 380 Theory of Computation

CSCI 385 Scientific Computing

ECON 300 Intermediate Microeconomics

ECON 430/530 Management Science

PHYS 380 Classical Mechanics

Three additional courses from the following:

any mathematics course numbered 300 or above

CSCI 380 Theory of Computation

Rationale within departmental and collegiate context and based on assessment results:

See attached rationale.

Proposers are welcome to attach additional documentation for more complex proposals, such as the addition of a major or minor.

Approval Chain (type name and date of approval)

Department chair: Gabe Ferrer

Area chair: Carl Burch (October 11, 2011)