



Date: Wednesday, February 20, 2019
To: Susan Kalter, Chairperson, Academic Senate
From: Jean Standard, Chairperson, University Curriculum Committee
Robert Quinlan, Chairperson, Graduate Curriculum Committee
RE: Executive Summary for the following new program proposals

Data Science: Computer Science Graduate Certificate

The Data Science: Computer Science Graduate Certificate is designed to provide a specialized education in emerging technologies for students who seek further studies in data science. The certificate is intended to prepare students to meet the growing demand for qualifications in this field.

Rationale submitted with proposal: Data science is an burgeoning field of IT and this certificate allows students to be educated in this highly in-demand market skill in today's data-intensive world.

Undergraduate Mathematics Accelerated Sequence

This sequence is designed to build a strong foundation for students who are interested either in pursuing a doctorate in mathematics, in vocations involving the applications of computational mathematics, or in teaching at the community college level.

Rationale submitted with proposal: The Accelerated Sequence in Mathematics offers high-achieving students the opportunity to complete their bachelor's and master's degrees with one additional year of study beyond their undergraduate work. Students will take both graduate and undergraduate classes during their senior year, will obtain a bachelor's degree, and can transition into their master's degree program for one additional year. This program will allow our students to efficiently move through two degrees and jump-start their professional careers. In addition, it also allows our department to retain more students through both degrees.

This Mathematics Accelerated Sequence will make our Mathematics programs more competitive with other universities and attract high-quality students.

This program will help us increase the numbers of master's degree students in Mathematics.