

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA  
ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE  
REPORT TO  
THE ACADEMIC SENATE

AP-059-167

MS IN MATHEMATICS AND STATISTICS—NAME CHANGE

Academic Programs Committee

Date:

Executive Committee  
Received and Forwarded

Date: 01/04/2017

Academic Senate

Date: 01/11/2017  
First Reading

**BACKGROUND:** The Department of Mathematics and Statistics is proposing to change the name of its graduate program from “Master of Science in Mathematics” to “Master of Science in Mathematics and Statistics” as part of the semester conversion process, to better reflect the scope of the program. The curriculum of the program is directly converted; this referral only covers the name change.

**RESOURCES CONSULTED:**

Deans

Associate Deans

Department Chairs

All Faculty

**DISCUSSION:**

Before reaching the Academic Programs Committee, this program was reviewed by the College Curriculum Committee in the College of Science as well as the Dean of Science and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. No concerns were raised.

**RECOMMENDATION:**

The Academic Programs Committee recommends approval of the proposed name change from “Master of Science in Mathematics” to “Master of Science in Mathematics and Statistics” for the converted semester program.

| <b>Mathematics and Statistics, M.S.</b>                              |  |                    |  |
|--|--|--------------------|--|
| <b>Status</b>  | active   |                    |  |
| <b>Hierarchy Entities</b>  | Mathematics and Statistics   |                    |  |
| <b>Approval Process Name</b>   | I. Program - Q2S Existing Program/Option/Minor   |                    |  |
| <b>Current Step</b>  | Office of Academic Programs  |                    |  |
| <b>Originator</b>  | Ryan Szykowski   |                    |  |
| <b>Created</b>   | 02/25/2016 10:34AM   |                    |  |
| <b>Launched</b>  | 02/25/2016 10:48AM   |                    |  |
| <b>Form</b>  |  |                    |  |
| <b>General Catalog Information</b>                                   |  |                    |  |
| <b>Department</b>  | Mathematics and Statistics   |                    |  |
| <b>Conversion Category:</b>  | Directly Converted   |                    |  |
| <b>Proposal Type:</b>  | Program  |                    |  |
| <b>Describe or list changes</b>                                      | The program was modified in a number of ways, both to align with the new course offerings as well as to allow statistics emphasis students to take a comprehensive exam option. Most course requirements are small changes over the current requirements, and differ most in the number of units per course.   |                    |  |
| <b>Semester Program Name (e.g. Biology, B.S., Art History, B.A.)</b> | Mathematics and Statistics, M.S.   |                    |  |
| <b>Program Description</b>   | The Department of Mathematics and Statistics Master's Degree program is designed to serve a broad range of students seeking a graduate education. This program is suitable for individuals interested in theoretical mathematics, applications of mathematics or statistics, working in industry, or teaching at the secondary or post-secondary level. Also, our program provides a solid foundation for those interested in further graduate study in all fields of mathematics and statistics.  |                    |  |
| <b>Curriculum Sheet</b>  | See ms.pdf   |                    |  |
| <b>Roadmap</b>   | See four_year.pdf  |                    |  |
| <b>Two-Year Course Offering</b>                                      | See two_year.pdf   |                    |  |
| <b>Assessment Plan</b>   | <p><b>Program Learning Outcomes</b></p> <p>The expected learning outcomes of this program are:</p> <p>Students will develop an in-depth understanding in their emphasis through selection of coursework to satisfy the degree program.</p> <p>Students will be able to effectively communicate mathematical ideas by using written and oral skills, as well as technological tools.</p> <p>Students will develop an appreciation for their emphases both as a discipline and as a tool for solving problems.</p> <p>Students will be able to read, analyze, and write mathematical proofs.</p> <p>Upon graduation successful students will be ready for Ph.D. programs in mathematics, statistics, math education, and other related areas - including post-secondary teaching, industry or public agencies.</p> |                    |  |
| <b>Select Program</b>  | Program  |                    |  |
| <b>Prospective Curriculum</b>  |  |                    |  |
| <b>Steps</b>   |  |                    |  |
| <b>Files</b>   | <b>Author</b>  | <b>Date</b>        | <b>File</b>                                  |
|  | Ryan Szykowski   | 02/25/2016 10:47AM | ms.pdf                                       |
|  | Ryan Szykowski   | 02/25/2016 10:47AM | four_year.pdf                                |
|  | Ryan Szykowski   | 02/25/2016 10:47AM | two_year.pdf                                 |
|  | Tiffany Frontino   | 10/26/2016 03:23PM | Mathematics and Statistics M S _ALY_BNG.docx |