**Executive Summary of Program Assessment**

**Campus: MU**

**College/School: College of Arts and Science**

**Academic Unit: Statistics**

**Date Submitted: December 3, 2014**

**Person Responsible for Success of Program: Paul Speckman, Chair**

**Person Submitted Executive Summary:**

Patricia Okker, Interim Deputy Provost

**Degree Programs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree (e.g., BS, MA, PhD)** | **Degree Program** | **Enrollment** | **Number of Degrees Awarded** |
| **Most Recent Fall Semester****(**2013**)** | **5-Year Fall Semester Average** | **Most Recent Academic Year****(2013)** | **5-Year Average** |
| BA/BS | Statistics | 49 | 34 | 18 | 11.6 |
| MA | Statistics | 103 | 51 | 17 | 15 |
| PhD | Statistics | 39 | 39.4 | 12 | 6.2 |

**Changes Since Last Review**

* Significant growth (135%) of undergraduate enrollment, despite reduction of tenure-stream faculty
* 13% increase in number of credit hours produced
* Creation of new applied-track MA in Statistics, resulting in a one-year increase of 57% in number of MA students (F12 = 54; F13 = 85)
* Major redesign of largest service course, Statistics 1200, to allow for increased capacity, increased efficiency, and without any negative effect on student learning outcomes
* Significant increase in federal sponsored expenditures, from $597,000 in FY2008 to $1,058,000 in FY2012.

**Strategies or Plans for Improving Program**

* Enhance research strengths in Bayesian statistics, spatio-temporal research, and biostatistics and bioinformatics
* Strengthen research capacity through selective invitations to long-term visitors
* Develop online MA program
* Expand undergraduate research