**Executive Summary of Program Assessment**

**Campus:** MU

**College/School:** Engineering and CAFNR

**Academic Unit:** Bioengineering

**Date Submitted:** 11/8/13

**Person Responsible for Success of Program:** Jinglu Tan, Director, Division of Food Systems & Bioengineering, and Dept. Chair of Bioengineering

**Person Submitted Executive Summary:**

Patricia Okker, Faculty Fellow for Program Assessment and Accreditation, Office of the Provost

**Degree Programs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Degree (e.g., BS, MA, PhD)** | **Degree Program** | **Enrollment** | | **Number of Degrees Awarded** | |
| **Most Recent Fall Semester**  **(Fall 2011)** | **5-Year Fall Semester Average** | **Most Recent Academic Year**  **(Fall 2011)** | **5-Year Average** |
| BS | Biological Engineering | 237 | 174 | 40 | 26 |
| ME/MS | Biological Engineering | 25 | 23.8 | 9 | 7.8 |
| PhD | Biological Engineering | 30 | 31.4 | 9 | 5.4 |

**Changes Since Last Review (2006)**

* Between Fall 2007 and Fall 2011, the number of undergraduate majors and the number of undergraduate degrees have both doubled.
* Significant growth in research expenditures from external sources: from about $2M to over $4M annually.
* In 2011 the BE Department because a Coulter Translational Partner in Biomedical Engineering, one of 15 in the nation, with a $5.2M contract with the Coulter Foundation.

**Strategies or Plans for Improving Program**

* Continue the ABET process of continuous improvement involving assessment/evaluation of student outcomes and program educational objectives.
* Respond to the increased enrollment growth (without related growth in number of faculty) by seeking improved efficiencies.
* Cultivate new collaborations to compete for major research funding from federal and other sources.
* Strengthen translational research and faculty entrepreneurship via the Coulter program.