**Program Efficacy Report
Spring 2011**

**Name of Department**: MSSSC

**Efficacy Team: Celia Huston, Romana Pires**

**Overall Recommendation (include rationale): Continuation**

**Next Program Efficacy: 2013/2014**

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| The Math and Science Student Success Center (MSSSC) has provided and analyzed data to demonstrate that it has met institutional strategic initiatives. MSSSC serves students taking mathematics and physical science courses through its tutoring and counseling services. MSSSC is cognizant of providing students opportunities related to access and success by examining hours of operation, student satisfaction, and success rates. MSSSC does not appear to serve Math 942 and Math 952, given the success of the program, MSSSC could consider developing ways to support 942 & 952 or partnering with areas on campus already serving those classes to enhance services to those students.MSSSC follows required data collection regarding student contact and has worked to implement SARS (Scheduling and Reporting System). MSSSC is a grant funded program and has identified increased competition over funding as its main area of weakness. MSSSC has partnered with the campus grant office and college administration to secure alternative funding sources. It has also identified successes and other initiatives and goals to continue strengthening its program including experimenting with online tutoring, creating a Math And Science Success Cohort with math and science faculty members and the utilization of technology. The report details how student success rates in the math and sciences have improved. During the next academic year, MSSSC will be moving to the new Physical Science building which will have more space and technological resources. MSSSC has a mission that is also aligned with the college mission. MSSSC will be moving into the new Math/Science building where they will have more space for small groups and workshops. |

| **Strategic Initiative** | **Institutional Expectations** |
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| **Does Not Meet** | **Meets** |
| **Part I: Access** |
| ***Demographics*** | *The program does not provide* *an appropriate analysis regarding identified differences in the program’s population compared to that of the general population*  | *The program provides an analysis of the demographic data and provides an interpretation in response to any identified variance.**If indicated, plans or activities are in place to recruit and retain underserved populations.* |
| **Efficacy Team Analysis and Feedback:****Does Not Meet: program has identified its services but has not provided demographic data regarding for example the number of students it serves, from which discipline or course do most students seek help, ethnic, gender, age data. Past data has not be tabulated or analyzed. The implementation of the SARS system will allow MSSSC to collect and track student data more efficiently.** |
| ***Pattern of Service*** | *The program’s pattern of service is not related to the needs of students.* | *The program provides evidence that the pattern of service or instruction meets student needs.* *If indicated, plans or activities are in place to meet a broader range of needs.* |
| **Efficacy Team Analysis and Feedback:****Meets: the program has provided evidence that the pattern of service meets student needs. The center is open Tue-Sat on a drop in basis, and is piloting an experimental online tutoring service. The center is also currently open on Fridays and Saturdays when other tutoring services on campus are currently closed and reports high student attendance. The program appears to be testing various modes and times of delivery to best meet the needs of students related to access.**  |
| **Part II: Student Success** |
| ***Data demonstrating achievement of instructional or service success*** | *Program does not provide an adequate analysis of the data provided with respect to relevant program data.* | *Program provides an analysis of the data which indicates progress on departmental goals.* *If applicable, supplemental data is analyzed.*  |
| **Efficacy Team Analysis and Feedback:****Meets: the program has detailed most of the course offerings at SBVC that the center services. In addition, the center offers one-on-one and small group tutoring services and has noted that these modes of tutoring are the most effective. Program does not list support Math 942 and Math 952 classes.** |
| ***Student Learning Outcomes*** | *Program has not submitted student learning outcomes for all courses certificates or degrees. Does not have a three-year plan on file.**Program has not analyzed assessment results and implemented changes where appropriate.* | *Program has submitted student learning outcomes for all courses certificates or degrees. Program has a three-year plan on file.**Program has analyzed assessment results and implemented changes where appropriate* |
| **Efficacy Team Analysis and Feedback:****N/A** |
| **Part III: Institutional Effectiveness** |
| ***Mission and Purpose*** | *The program does not have a mission, or it does not clearly link with the institutional mission.* | *The program has a mission and it links clearly with the institutional mission.* |
| **Efficacy Team Analysis and Feedback:****Meets: the program has a mission that includes increasing student success in transferable courses it services and has linked this to the overall campus mission.**  |
| ***Productivity*** | *The data does not show an acceptable level of productivity for the program, or the issue of productivity is not adequately addressed.* | *The data shows the program is productive at an acceptable level.* |
| **Efficacy Team Analysis and Feedback:****Meets: the program collects data regarding its productivity and also proctors student satisfaction surveys. A random selection of student surveys shows an “above average” to “exceptional” satisfaction with the services provided by the center. Program has had difficulty in the past tabulating and analyzing productivity data. The implementation of SARS software in Sp. 11 will make it easier to track productivity and analyze student use patterns. The program can now track student and number of visits, and amount of time spent at the center.** |
| ***Relevance, Currency, Articulation*** | *The program does not provide evidence that it is relevant, current, and that courses articulate with CSU/UC, if appropriate.* | *The program provides evidence that curriculum review process is up to date. Courses are relevant and current to the mission of the program.* *Appropriate courses have been articulated with UC/CSU or plans are in place to articulate appropriate courses.* |
| **Efficacy Team Analysis and Feedback:****N/A** |
| **Part IV: Planning** |
| ***Trends*** | *The program does not identify major trends, or the plans are not supported by the data and information provided.* | *The programidentifies and describes major trends in the field. Program addresses how trends will affect enrollment and planning. Provides data from internal research or research from the field for support.*  |
| **Efficacy Team Analysis and Feedback:****Meets: the program has identified trends and described future goals. Even though the program has reduced workshops due to budget constraints, they have analyzed student usage patterns in order to optimized scheduling for remaining workshops and services. Program is moving into the new Math Science Building and has participated in the buildings planning process.** |
| ***Accomplishments*** | *The program does not incorporate accomplishments and strengths into planning.* | *The program incorporates substantial accomplishments and strengths into planning.* |
| **Efficacy Team Analysis and Feedback:****Meets: the program has identified accomplishments regarding access and success. The quality of student tutors at MSSSC is one of their strengths. Program hires short-term employees. This allows them to rehire former student tutors who have gone on to 4 year universities. The program has worked to install and configure SARS which will allow it to collect and analyze data for grant requirements and future grant funding requests.**  |
| ***Weaknesses/challenges*** | *The program does not incorporate weaknesses and challenges into planning.* | *The program incorporates weaknesses and challenges into planning.* |
| **Efficacy Team Analysis and Feedback:****Meets: the program has identified weaknesses related to securing funding through grants in a financially difficult current environment. It is a concern that the program only looked at funding/budget as a weakness. MSSSC should also identify internal weakness such as service hours (no Mondays), classes supported, classes that may need additional support etc. MSSSC’s difficulty tabulating and analyzing data has been a challenge, implementing SARS addresses that challenge.** |
| **Part V: Technology, Partnerships & Campus Climate** |
|  | *Program does not demonstrate that it incorporates the strategic initiatives of Technology, Partnerships or Campus Climate.* *Program does not have plans to implement the strategic initiatives of Technology, Partnerships or Campus Climate* | *Program demonstrates that it incorporates the strategic initiatives of Technology, Partnerships and/or Campus Climate.* *Program has plans to further implement the strategic initiatives of Technology, Partnerships and/or Campus Climate.* |
| **Efficacy Team Analysis and Feedback:****Meets: the program has demonstrated and provided examples that relate to other college strategic initiatives regarding campus climate, partnerships and technology. Program in planning to further implement the strategic initiatives. The move to the new location improves campus culture/climate and enhances technology in the center. MSSSC plans to further partnerships by establishing a Lead Faculty Advisor Program.** |