A. Program MISSION Statement: What body of knowledge and/or what skills and qualities will graduates from this program possess upon completion of the degree?

The mission of the undergraduate program in biological sciences is to provide a comprehensive education in current biological theory and techniques designed to prepare students for graduate research, careers in the health sciences, and careers in secondary and higher education.

B. Does this program have any culminating experience or capstone course that would capture the cumulative knowledge and accomplishments of graduates of your program? If so, please describe the process by which faculty participate in the design and evaluation of the course and its products/experiences.

No

In the attached pages, please provide the learning outcomes the faculty as a whole expects from graduates from the program. While you may choose as many outcomes as you wish, it is often a good strategy to focus on the most important goals for students in the first few years of your Student Assessment Program. For example, two or three of the most critical goals would be a good starting point. Please complete questions 1-6 for each Student Learning Outcome you are assessing or plan to evaluate in the next review period on the attached sheet.
Please complete this page for each Student Learning Outcome (minimum of 3) for each of your degree programs.

Degree Program Title: Biological Sciences  
Degree Type: BS  
Banner/CIP Code: 26.0101.00

STUDENT LEARNING OUTCOME # 1

1. **STUDENT LEARNING OUTCOME (SLO):** What will a student be able to do, what knowledge, skills, values will they have, etc., upon graduation from the program that will be assessed? A Student Learning Outcome is a clear concise statement that describes how students can demonstrate their mastery of some element of the academic program goals.

   Students will demonstrate knowledge of prokaryotic and eukaryotic cells.

2. **LINKS TO CURRICULUM & PROGRAM FACULTY.** What courses support this SLO? How do all program faculty participate in setting the goals, content and learning outcomes of these courses? How do all program faculty participate in analyzing and making recommendations based on the results of student assessments?

3. **ACTION PLAN: STRATEGIES/METHODS FOR OBSERVING STUDENT LEARNING.** How will data be collected, analyzed, shared? How will faculty observe the accomplishment of this outcome? Please provide specific descriptions for how, when, how often, what course(s), what student performances will be observed, collected and analyzed. Please provide or attach any descriptions of your ACTION PLAN OR PROCESS addressing the who, what, when, where questions for the assessment program.

4. **CRITERIA FOR SUCCESS: MEASURES & TARGETS.** What are the standards of progress or criteria used for judging success for the student learning assessment observations? Please attach any assessment tools, standards (rubrics) or other documents used to judge success or achievement of the outcome.

5. **ACHIEVEMENT SUMMARY: FINDINGS & RESULTS.** What are the results of the assessment of this learning objective thus far? Be sure to include the year of the assessment, attach any relevant reports, data tables, etc. Please be specific in your descriptions. Indicating that n% students took a test or passed an oral exam is not an example of assessment findings.

6. **PROGRAM ENHANCEMENT.** How has assessment data been used? Please give examples over the last 3 years. What are the specific mechanisms for communicating results and changing courses, curriculum, learning activities within a course, etc.
5. **STUDENT LEARNING OUTCOME (SLO):** What will a student be able to do, what knowledge, skills, values will they have, etc., upon graduation from the program that will be assessed? A Student Learning Outcome is a clear concise statement that describes how students can demonstrate their mastery of some element of the academic program goals.

Students will demonstrate knowledge of the principles of homeostasis.

6. **LINKS TO CURRICULUM & PROGRAM FACULTY.** What courses support this SLO? How do all program faculty participate in setting the goals, content and learning outcomes of these courses? How do all program faculty participate in analyzing and making recommendations based on the results of student assessments?

7. **ACTION PLAN: STRATEGIES/METHODS FOR OBSERVING STUDENT LEARNING.** How will data be collected, analyzed, shared? How will faculty observe the accomplishment of this outcome? Please provide specific descriptions for how, when, how often, what course(s), what student performances will be observed, collected and analyzed. Please provide or attach any descriptions of your ACTION PLAN OR PROCESS addressing the who, what, when, where questions for the assessment program.

8. **CRITERIA FOR SUCCESS: MEASURES & TARGETS.** What are the standards of progress or criteria used for judging success for the student learning assessment observations? Please attach any assessment tools, standards (rubrics) or other documents used to judge success or achievement of the outcome.

These two additional reports for questions 5&6 below will be due in **May 11, 2012**

9. **ACHIEVEMENT SUMMARY: FINDINGS & RESULTS.** What are the results of the assessment of this learning objective thus far? Be sure to include the year of the assessment, attach any relevant reports, data tables, etc. Please be specific in your descriptions. Indicating that n% students took a test or passed an oral exam is not an example of assessment findings.

10. **PROGRAM ENHANCEMENT.** How has assessment data been used? Please give examples over the last 3 years. What are the specific mechanisms for communicating results and changing courses, curriculum, learning activities within a course, etc.

Review and Approval Signatures & Date:
Program Coordinator if applicable ________________________________
Department Chair: ____________________________________________
Dean ________________________________