



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

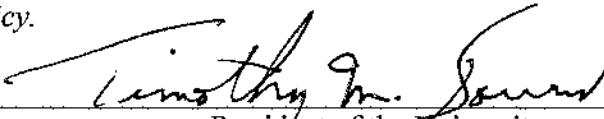
**Institutional Program Review
Report to the Board of Regents**

Use this form to submit a program review report to the system Chief Academic Officer. Complete this form for all units/programs undergoing an accreditation review, nationally recognized review process, or institutional program review. The report is due 30 days following receipt of the external and internal review reports.

UNIVERSITY:	NSU
DEPARTMENT OR SCHOOL:	Science and Math
PROGRAM REVIEWED:	Medical Lab Science
DATE OF REVIEW:	2/19/2019
TYPE OF REVIEW:	Institutional Program Review

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this report, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.



President of the University

8/16/2019

Date

1. Identify the program reviewers and any external accrediting body:

Tami Svatos, Medical Lab Science (ASCP) Laboratory Director at Avera St. Luke's Hospital in Aberdeen, SD

2. Items A & B should address the following issues: mission centrality, program quality, cost, program productivity, plans for the future, and assessment of progress.

2(A). Describe the strengths and weaknesses identified by the reviewers

Strengths:

- Medical Lab Science (MLS) program meets mission of department, college and university
- Strong curriculum and appropriate faculty and resources to teach such curriculum
- Academic advisor to address with advising needs, ensuring students stay on-track with courses and on-task with grades
- Library resources readily available and staff very helpful
- Department developed a new course in histology, and plans to pursue histopathology certificate
- New science building will be an advantage to NSU
- MLS students are exposed to other science disciplines and students

Weaknesses:

- Current assessment tool at NSU not appropriate for MLS students
- Some MLS equipment may require updating

2(B). Briefly summarize the review recommendations

The reviewer recommends two items:

- 1) a new assessment tool for annual program assessment, and
- 2) investigating collaborations with laboratory vendors to obtain demo equipment for students.

Both items would address the weaknesses the reviewer addressed within the program review.

2(C). Indicate the present and continuous actions to be taken by the college or department to address the issues raised by the review. What outcomes are anticipated as a result of these actions?

In response to #1:

We are in the midst of changing program assessment for all science and math disciplines. Starting in Fall 2019, we will address program outcomes based on specific objectives. These objectives include:

- 1) Students will demonstrate knowledge and skills that prepare them for entry into their clinical evaluation period.
- 2) Students will apply knowledge and skills to advanced medical laboratory situations, such as lab simulations, case studies, and patient diagnosis.
- 3) Students will demonstrate proficient performance and appropriate attitudes in each clinical specialty.

For each objective, there are assessment points (or classes) with embedded assessments and expected benchmarks. Each assessment point is evaluated based on specific rubric to determine if students meet the benchmarks. To evaluate each assessment point, faculty will collect artifacts (e.g., case studies, lab exercises, etc.) and/or use exam/lab questions.

In response to #2:

We move into the new science building, and recognize the need to improve laboratory resources to our students. We have begun to update equipment and supplies in each lab, starting with upper-level courses such as Hematology and Physics. The reviewer's excellent suggestion to work with laboratory vendors to help improve and provide state-of-the-art MLS related equipment will be pursued upon the move to the science building.

- 3. Starting in Fall 2019 reporting year, campuses will identify the undergraduate cross-curricular skill requirements as part of programmatic student learning outcomes and identify assessment methods for cross-curricular skill requirements as outlined in Board Policy 2:11. Program review completed prior to Fall 2019 need not include cross curricular skills.**