

**Program Outcomes Worksheet**  
Secondary Education Mathematics (2008 - 2009)  
Lock Haven University of Pennsylvania

**Program Outcome #1**

**Statement of Goal**

Develop an assessment plan consistent with NCTM/NCATE and PDE standards

**Where, When, and How Monitored (i.e., Evidence to Be Gathered)**

The Coordinator of Secondary Education Mathematics will continuously monitor the assessment plan by staying up-to-date on the national and state standards. Other program coordinators will also be solicited for advice and recommendations.

**Expectation for Satisfactory Performance**

Accreditation status as recognized by the above-named organizations

**How Results Were Analyzed (When and By Whom?)**

Results were continuously analyzed by the Coordinator of Secondary Education Mathematics, along with other program coordinators. Evaluation of the assessment plan was externally evaluated by NCTM/NCATE during the spring of 2008.

**Results / Evaluation**

The secondary education mathematics program was nationally recognized by NCTM/NCATE during the summer of 2008.

Expectations were:  Wholly satisfied     Partially satisfied     Not satisfied

**Analysis (of Data on Performance) and Explanation**

No recommendations were made by the outside agencies. Comments made by reviewers can be revisited on the Review Summary Form under Section V.

**Action(s) to Maintain or Improve Level of Achievement**

The coordinator of secondary education mathematics will continually monitor the standards and the assessment plan to make sure that they stay aligned.

## Program Outcome #2

### Statement of Goal

Develop a plan to better retain students

### Where, When, and How Monitored (i.e., Evidence to Be Gathered)

The department of mathematics will continuously monitor the attainment of this goal.

### Expectation for Satisfactory Performance

Satisfactory performance will be achieved when more than 50% of the students who begin the program as freshmen become program completers.

### How Results Were Analyzed (When and By Whom?)

The coordinator of secondary education mathematics analyzes these results at the end of each year by comparing the number of program completers to the number of students who began the program as freshmen.

### Results / Evaluation

Less than 50% of freshmen who begin the program complete it.

Expectations were:  Wholly satisfied  Partially satisfied  Not satisfied

### Analysis (of Data on Performance) and Explanation

While our retention results are no worse than other institutions, they can still be improved. Most students who leave the program cite difficulty with a course or professor as the determining factor. However, this does not necessarily imply that the material is taught at too high of a level or that the professor is not a good instructor. The student may just not have the background or ability to succeed in a course and therefore places the blame somewhere else.

### Action(s) to Maintain or Improve Level of Achievement

The department will examine ways to further support our freshmen majors.