

Student Learning Outcomes Assessment Summary

Mathematics, MS

College of Natural Science and Mathematics

AYs 2016-17, 2017-18

Submitted by: Leah Berman

Contact Information: x7123

Date: May 11, 2018

1. Assessment information collected

There were five graduates during this period: [REDACTED] (Summer 16); [REDACTED] (Summer 17); [REDACTED] (Summer 17); [REDACTED] (Summer 17); [REDACTED] (Spring 18)

In addition to coursework these students all passed written comprehensive exams (below). They also undertook an individual research project, and presented their work to the department as both a written document and an oral seminar presentation.

Two of these students were accepted in PhD programs elsewhere, two teach at UAF (one in Developmental Math, one in DMS), and one teaches high school in Fairbanks.

With one exception, these students finished their degrees in 2 academic years, or 2 years + 1 summer. The exception was an unfunded student who successfully juggled a teaching job and young children with his part-time study.

The written comprehensive exam covers three subjects including two core areas. The exams are graded by multiple faculty members. In the period two students took (and passed) the exams: Burr, Heldman.

During this period two students became inactive in the program for medical reasons, though they had passed the written comprehensive exams.

2. Conclusions drawn from the information summarized above

The program continues to be successful in providing a flexible pathway for a variety of student directions – further graduate study, community-

college-level teaching, high school teaching, and (although not represented this period) scientific research support.

The number of students requiring an extra summer to complete the degree after the intended 2 years degree program suggests attention be given to making faster completion more manageable.

3. Curricular changes resulting from conclusions drawn above

No changes have been made, but departmental discussions should continue on how the comprehensive exams might be changed so students complete them in their first year, so the research project can be finished in the second.

4. Identify the faculty members involved in reaching the conclusions drawn above and agreeing upon the curricular changes resulting

Ed Bueler, John Rhodes

5. Has your SLOA plan been updated to include assessment of the program's Communication Plan, as required by Faculty Senate motion? (required for baccalaureate programs only)

This is a graduate degree, and already had oral and written communication components.