

Student Learning Outcomes Assessment Summary

Computer Science, M.S. *College of Engineering and Mines* **AY 2012-13 and AY 2013-14**

Submitted by: Glenn G. Chappell
Contact Information: ggchappell@alaska.edu
Date: May 16, 2015

1. Assessment information collected

Knowledge:

- Comprehensive exam pass rates: all years
- Faculty evaluation of MS projects: all years

Communication:

- Faculty evaluation of seminar presentations: AY 2013-14 only (this was a new assessment item)
- Faculty evaluation of MS project reports: all years

Practice:

- Faculty evaluation of MS projects: all years

DATA

Comprehensive exam pass rates:

- 2012-13: 1 passed out of 3 taken (33%)
 - Note: Both students who failed in 2012-13 passed in 2013-14.
- 2013-14: 5 passed out of 6 taken (83%)

Faculty evaluation of MS projects:

- 2012-13: 2 projects submitted, 2 judged acceptable (100%)
- 2013-14: 3 projects submitted, 3 judged acceptable (100%)

Faculty evaluation of MS project reports:

- 2012-13: 2 project reports submitted, 2 judged acceptable (100%)
- 2013-14: 3 project reports submitted, 3 judged acceptable (100%)

2. Conclusions drawn from the information summarized above

Communications skills and practical skills of students completing the program are satisfactory. Overall pass rates for the comprehensive exam are acceptable.

As it has for a number of years, enrollment in the CS MS program continues to vary considerably. Further, lack of available instructors has forced some graduate classes to be stacked with undergraduate classes, which reduces the quality of the CS MS program.

As recommended in the 2012 SLOA Summary, a proposal for curricular changes was developed that addresses these issues. It is expected that curricular changes based on this proposal will be in place in AY 2015-16.

3. Curricular changes resulting from conclusions drawn above

No curricular changes were made during the review period.

A proposal was developed for program changes that should address the concerns mentioned in part 2.

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

Note: Curricular changes are approved by all permanent CS faculty.

AY 2012-13

CS Assessment Committee:

- Jon Genetti (chair)
- Chris Hartman
- Orion Lawlor

Additional contributions to assessment evaluation & reports by:

- Glenn G. Chappell

Other permanent CS Department faculty:

- Brian Hay
- Pete Knoke
- Kara Nance

Computer Science, M.S.

AY 2013-14

CS Assessment Committee:

- Glenn G. Chappell (chair)
- Jon Genetti
- Chris Hartman

Other permanent CS Department faculty:

- Brian Hay
- Pete Knoke
- Orion Lawlor
- Kara Nance