

PROGRAM ASSESSMENT REPORT

I. Background Information

1. Program Assessed

Program name: Associates in Science, Math and Science

Program code: ASMSAS

Division: MSET (Math, Science, Engineering Tech) Department: Math, Biology, Chemistry)

Type of Award: A.A. A.S. A.A.S.
 Cert. Adv. Cert. Post-Assoc. Cert. Cert. of Completion

2. Semester assessment was administered (check one):

Fall 20_____
 Winter 20_____
 Spring/Summer 2015

3. Assessment tool(s) used (check all that apply):

Portfolio
 Standardized test
 Other external certification/licensure exam (please describe): _____
 Graduate Survey
 Employer Survey
 Advisory Committee Survey
 Transfer follow-up
 Externally evaluated performance or exhibit
 Externally evaluation of job performance (internship, co-op, placement, other)
 Capstone experience (please describe):
 Other (please describe): Transfer data

4. Have any of these tools been used before?

Yes (if yes, identify which tool)
 No

If yes, has this tool been altered since its last administration? If so, briefly describe changes made.
 No

5. Indicate the number of students assessed/total number of students enrolled in the ~~course~~ program.
 103 graduates, 928 students with ASMSAS declared and >=30 credits.

6. Describe how students were selected for the assessment.

- a. Describe your sampling method. All
- b. Describe the population assessed (e.g. graduating students, alumni, entering students, continuing students)? Graduated and continuing students with >=30 hours

II. Results

1. If applicable, briefly describe the changes that were implemented in the program as a result of the previous assessment.

None. This is the first assessment.

2. State each outcome (verbatim) from the Program Assessment Planning or Program Proposal form for the program that was assessed.

“Provide Students with the educational (academic and laboratory) experiences to successfully transfer to a 4-year college in a related program.”

logged 7/14/15 sj

PROGRAM ASSESSMENT REPORT

Briefly describe assessment results based on data collected during the program assessment, demonstrating the extent to which students are achieving each of the learning outcomes listed above. *Please attach a summary of the data collected (as a separate document).*

See attachment. Table 2 shows the number of declared MSAS majors who earned at least 30 WCC credits, the number and percentage of majors who have an enrollment record at a 4-year university or college, and the number and percentage who have earned a bachelor degree during the period ending Winter 2015.

Students are grouped based on their first term of enrollment at WCC. For example, there are 32 students who first enrolled at WCC in Fall 2003 whose record in Banner shows their most recent WCC major as MSAS.

The groups who began at WCC in earlier years have higher numbers, mainly because more time has elapsed since they first enrolled at WCC compared to students who began at WCC in later years.

3. For each outcome assessed, indicate the standard of success used, and the percentage of students who achieved that level of success. *Please attach the rubric/scoring guide used for the assessment (as a separate document).*

An examination of transfer data from WCC student records and data the National Student Clearinghouse provided by the WCC Institutional Research Department shows that of 103 graduates in this program in the last 15 years, 80.6% transferred to a 4-year college or university.

The ASMSAS program *has met its goal* of at least 75% transferring. See below for explanations, caveats, and future plans.

4. Describe the areas of strength and weakness in students' achievement of the learning outcomes shown in assessment results.

Strengths: We clearly are meeting our goal for these students. We should be able, in the future, to get more detailed data on their choice of major.

Weaknesses: None.

III. Changes influenced by assessment results

1. If weaknesses were found (see above) or students did not meet expectations, describe the action that will be taken to address these weaknesses.

None.

2. Identify any other intended changes that will be instituted based on results of this assessment activity (check all that apply). Describe changes and give rationale for change.

a. Outcomes/assessments from Program Assessment Planning or Program Proposal form: We will meet and discuss changes to our PAP based on new tools from Institutional Research.

b. Program Curriculum:
 course sequencing
 course deletion

PROGRAM ASSESSMENT REPORT

- course addition
- changes to existing program courses (specify):
- other (specify):
- c. Other (specify):

3. What is the timeline for implementing these actions? Fall 2015

IV. Future plans

1. Describe the extent to which the assessment tools used were effective in measuring student achievement of learning outcomes for this program.
They were very effective, with the support of the Director of Institutional Research and his department.
2. If the assessment tools were not effective, describe the changes that will be made for future assessments.

We realized that the goal stated is very hard to assess. We have clearinghouse data, seen above, as to the number of transfers and degrees, but we cannot gather “in a related program” data. The Director of Institutional Research assures us that this data may be available the next time we assess.

You can also see that in 15 years, 103 graduates is not a large number. Our suspicion, based on anecdotal experience, is that students come here in Spring/Summer term and evenings, etc. to take classes, perhaps even just one or two, and this is our true service role to the community.

We also realize that we serve a talented and motivated student population for whom an Associate’s Degree may be a goal too minor to pursue: the ultimate goal of at least a Bachelor’s degree is normal for a science or math student.

To that end, we wondered if there are students who take 30 or more credits here, but simply do not bother to get the ASMSAS degree. We asked for and received that information above.

From Fall 2003 to Fall 2013, (we stopped there because it takes time to earn 30 credits), and found in those cohorts an average of 72 students a year who fit this description. Interesting that around 60-68% have transferred.

3. Which outcomes from Program Assessment Planning or Program Proposal form have been addressed in this report?
All Selected _____
If “All”, provide the report date for the next full review: Summer 2018
If “Selected”, provide the report date for remaining outcomes: _____.

