

**Assessment of Program Student Learning Objectives (SLOs)**  
**SLO Survey of Degree Applicants**  
**Mathematics AS-T Degree, Summer 2012 – Spring 2013**



	# of Respondents	Agree Strongly	Agree	Disagree	Disagree Strongly	Mean Score
Synthesize ideas expressed in mathematical language by: Demonstrating the ability to understand both written and spoken mathematics	3	100.0%	0.0%	0.0%	0.0%	4.00
Synthesize ideas expressed in mathematical language by: Demonstrating a basic understanding of proof	3	66.7%	33.3%	0.0%	0.0%	3.67
Synthesize ideas expressed in mathematical language by: Communicating arguments clearly	2	50.0%	50.0%	0.0%	0.0%	3.50
Synthesize ideas expressed in mathematical language by: Demonstrating the ability to collaborate in problem solving (i.e. study groups, group projects)	3	66.7%	33.3%	0.0%	0.0%	3.67
Demonstrate analytical thinking by: Identifying what a problem is really asking	3	66.7%	33.3%	0.0%	0.0%	3.67
Demonstrate analytical thinking by: Breaking complex problems into manageable smaller problems	3	100.0%	0.0%	0.0%	0.0%	4.00
Demonstrate analytical thinking by: Identifying the relationships among verbal, symbolic, graphical and numerical representations within the same problem	3	100.0%	0.0%	0.0%	0.0%	4.00
Demonstrate analytical thinking by: Solving non-algorithmic problems	3	66.7%	33.3%	0.0%	0.0%	3.67
Demonstrate resourcefulness in problem solving by: Choosing appropriate methods	3	100.0%	0.0%	0.0%	0.0%	4.00
Demonstrate resourcefulness in problem solving by: Synthesizing appropriate strategies, techniques or information from prerequisite courses	3	33.3%	66.7%	0.0%	0.0%	3.33
Demonstrate resourcefulness in problem solving by: Using alternative representations of mathematical ideas	3	100.0%	0.0%	0.0%	0.0%	4.00
Demonstrate resourcefulness in problem solving by: Recognizing and explaining source of errors and impossible solutions	3	100.0%	0.0%	0.0%	0.0%	4.00
Employ mathematical strategies with confidence	3	66.7%	33.3%	0.0%	0.0%	3.67

Note: "Mean Score" is derived by assigning numeric values to each response (where 1="Disagree Strongly", 2="Disagree", 3="Agree", and 4="Agree Strongly") and calculating the mean of all responses for a given question item.

## Narrative Comments

**What particular elements of CSM's Mathematics Transfer: CSU GE/IGETC Program helped you the most?**

- The teaching staff is very helpful.
- Having the math center helped the most because I could go in there and ask questions.

**What particular element of CSM's Mathematics Transfer: CSU GE/IGETC could be changed or added to help you?**

- The required hours in the math lab. I would rather work in the learning center, and it would be nice if the hours could transfer over into math lab hours.
- Having different(or more classes)times for math classes especially when there is only one class offered.