

Assessment of Program Student Learning Objectives (SLOs)
SLO Survey of Degree Applicants
Computer & Information Science AS Degree
Summer 2012 – Spring 2014



Program SLO Statements

	# of Respondents	Agree Strongly	Agree	Disagree	Disagree Strongly	Mean Score
1. Communicate technical concepts both in writing and orally	1	100.0%	0.0%	0.0%	0.0%	4.00
2. Construct reliable, robust object oriented solutions to problems involving the storage, retrieval and update of large quantities of data	1	100.0%	0.0%	0.0%	0.0%	4.00
3. Demonstrate proficiency in one or more computer programming languages	1	100.0%	0.0%	0.0%	0.0%	4.00
4. Implement, test and debug a medium-size computer program that is stylistically and functionally correct, based on an object-oriented design model	1	100.0%	0.0%	0.0%	0.0%	4.00

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.

NOTE: The data presented here are derived from an online survey sent to all CSM degree applicants, Summer 2012-Spring 2014. Award earners are asked to indicate the extent to which they agreed with statements regarding student learning outcomes associated with their program.

Assessment of Program Student Learning Objectives (SLOs)
SLO Survey of Degree Applicants
Computer Science Applications & Development AS Degree
Summer 2012 – Summer 2014



Program SLO Statements

	# of Respondents	Agree Strongly	Agree	Disagree	Disagree Strongly	Mean Score
1. Communicate effectively orally, in writing and in media	6	33.3%	66.7%	0.0%	0.0%	3.33
2. Create and debug code for given specifications and write appropriate documentation	7	42.9%	57.1%	0.0%	0.0%	3.43
3. Demonstrate a comprehensive understanding of one or more computer programming languages	7	42.9%	57.1%	0.0%	0.0%	3.43
4. Demonstrate proficiency in using data analysis and data management tools	7	28.6%	71.4%	0.0%	0.0%	3.29
5. Demonstrate proficiency in using one or more internet programming languages to design and implement a web based program	7	28.6%	71.4%	0.0%	0.0%	3.29
6. Work collaboratively and ethically in teams on projects	7	28.6%	71.4%	0.0%	0.0%	3.29

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.

NOTE: The data presented here are derived from an online survey sent to all CSM degree applicants, Summer 2012-Spring 2014. Award earners are asked to indicate the extent to which they agreed with statements regarding student learning outcomes associated with their program.

Assessment of Program Student Learning Objectives (SLOs)
SLO Survey of Certificate Applicants
Computer Science Applications & Development
Certificate of Achievement
Spring 2013 – Spring 2014



Program SLO Statements

	# of Respondents	Agree Strongly	Agree	Disagree	Disagree Strongly	Mean Score
1. Communicate effectively orally, in writing and in media	2	100.0%	0.0%	0.0%	0.0%	4.00
2. Create and debug code for given specifications and write appropriate documentation	2	50.0%	50.0%	0.0%	0.0%	3.50
3. Demonstrate a comprehensive understanding of one or more computer programming languages	2	100.0%	0.0%	0.0%	0.0%	4.00
4. Demonstrate proficiency in using data analysis and data management tools	2	100.0%	0.0%	0.0%	0.0%	4.00
5. Demonstrate proficiency in using one or more internet programming languages to design and implement a web based program	2	100.0%	0.0%	0.0%	0.0%	4.00
6. Work collaboratively and ethically in teams on projects	2	50.0%	50.0%	0.0%	0.0%	3.50

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.

NOTE: The data presented here are derived from an online survey sent to all CSM certificate applicants, Spring 2013-Spring 2014. Award earners are asked to indicate the extent to which they agreed with statements regarding student learning outcomes associated with their program.

Assessment of Program Student Learning Objectives (SLOs)
SLO Survey of Certificate Earners
C++ Programming Certificate of Specialization
Spring 2013 – Spring 2014



	# of Respondents	Agree Strongly	Agree	Disagree	Disagree Strongly	Mean Score
Communicate and contribute code in a team software development project.	5	60.0%	40.0%	---	---	3.60
Design and implement reliable, robust, object oriented C++ solutions to medium sized problems which may involve the storage, retrieval and update of large quantities of data;	5	60.0%	40.0%	---	---	3.60

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.

Assessment of Program Student Learning Objectives (SLOs)
SLO Survey of Certificate Earners
Java Programming Certificate of Specialization
Spring 2013 – Spring 2014



	# of Respondents	Agree Strongly	Agree	Disagree	Disagree Strongly	Mean Score
Communicate and contribute code in a team software development project.	2	50.0%	50.0%	---	---	3.50
Design and implement reliable, robust, object oriented Java solutions to medium sized problems which may involve the storage, retrieval and update of large quantities of data;	2	50.0%	50.0%	---	---	3.50

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.