

Academic year 2024-2025

BS in Computer and Information Sciences - BS-CISY Learning OutcomesSkills and Technical Knowledge in Computer Science **MET**

Graduates of the Computer Science Program will develop the professional skills and the necessary technical knowledge both in breadth and in-depth to prepare them for employment and advanced study in Computer Science.

Curriculum Outcomes 1, 2 and 3 /Department of Computer Science.

Graduates of the program will have the ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions. · Graduates of the program will have the ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline. · Graduates of the program will have an ability to apply computer science theory and software development fundamentals to produce computing-based solutions.

MEASURES	RESULTS	ACTIONS
<p>Rubrics of Selected Courses</p> <p>Outcome 1 Rubrics of COSC 1336, 1337, 2336, 3302, 4302, 4317, 4340, 4360, and 4272 that use assignments, tests, and projects to assess student performance</p> <p>Outcome 2 Rubrics of COSC 2336, 3302, 4302, 4304, 3308, 4340, and 4317; pass a course and meet the performance criterion of the course.</p> <p>Outcome 3 Rubrics of COSC 2236, 4317, 4310, and 4272; Direct - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency</p> <p>outcome 1 results direct.docx</p> <p>outcome 2 results direct.docx</p> <p>outcome 3 results direct.docx</p>	<p>MET</p> <p>Analysis</p> <p>See the analysis for Curriculum Outcomes 1, 2 and 3 (attached).</p>	<p>Other - [Curriculum action]</p> <p>COMPLETE</p> <p>See the action plans, if any, for Curriculum Outcomes 1, 2 and 3 (attached).</p>
<p>Student Evaluation, Exit Interview, Exit Survey</p> <p>Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75 Indirect - Survey: > 3.75</p> <p>Indirect - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency.</p> <p>Indirect Measure Results 2024-2025.docx</p>	<p>MET</p> <p>Analysis</p> <p>Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.</p>	<p><i>No actions have been added.</i></p>

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

Awareness of the societal impact and legal and ethical issues in CS MET

Graduates of the Computer Science Program will have sufficient awareness of the local and global societal impact of technology and of the related legal and ethical issues in computer science to make decisions regarding their personal and professional responsibilities.

Curriculum Outcomes 4 and 5 /Department of Computer Science

- Graduates of the program will have an ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

MEASURES	RESULTS	ACTIONS
<p>Rubrics of Selected Courses</p> <p>Outcome 4 Rubrics of COSC 1172, 3325, 4340, 4317, and 4272; pass a course and meet the performance criterion of the course.</p> <p>Outcome 5 Rubrics of COSC 3325, 4360, 1172, 3325, 4360, and 4272; pass a course and meet the performance criterion of the course.</p> <p>Direct - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency</p> <p>outcome 4 results direct.docx</p> <p>outcome 5 results direct.docx</p>	<p>MET</p> <p>Analysis</p> <p>See the analysis for Curriculum Outcomes 4 and 5 (attached).</p>	<p>Other - [Curriculum action]</p> <p>COMPLETE</p> <p>See the action plans, if any for Curriculum Outcomes 4 and 5 (attached).</p>
<p>Student Evaluation, Exit Interview, Exit Survey</p> <p>Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75, Exit Survey: > 3.75</p> <p>Indirect - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency</p> <p>Indirect Measure Results 2024-2025.docx</p>	<p>MET</p> <p>Analysis</p> <p>Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.</p>	<p><i>No actions have been added.</i></p>

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

Critical Thinking, Communication, Teamwork, and Leadership Skills **MET**

Graduates of the Computer Science Program will have the critical thinking, communication, teamwork, and leadership skills necessary to function productively and professionally.

Curriculum Outcomes 6, 7 and 8. /Department of Computer Science

· Graduates of the program will have the ability to communicate effectively in a variety of professional contexts. · Graduates of the program will have the ability to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

MEASURES	RESULTS	ACTIONS
<p>Rubrics of Selected Courses</p> <p>Outcome 6 pass a course and meet the performance criterion of the course. Rubrics of COSC 4340 and 4360</p> <p>Outcome 7 pass a course and meet the performance criterion of the course. Rubrics of COSC 3325, 4360 and 4272</p> <p>Outcome 8 Rubrics of COSC 4360 and 4302; pass a course and meet the performance criterion of the course</p> <p>Direct - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency outcome 6 results direct.docx outcome 7 results direct.docx outcome 8 results direct.docx</p>	<p>MET</p> <p>Analysis</p> <p>See the analysis for Curriculum Outcomes 7, 8 and 9 (attached).</p>	<p>Other - [Curriculum actions]</p> <p>COMPLETE</p> <p>See the action plans, if any for Curriculum Outcomes 7, 8 and 9 (attached).</p>
<p>Student Evaluation, Exit Interview, Exit Survey</p> <p>Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75, Exit Survey: > 3.75</p> <p>Indirect - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency Indirect Measure Results 2024-2025.docx</p>	<p>MET</p> <p>Analysis</p> <p>Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.</p>	<p><i>No actions have been added.</i></p>

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.

Intellectual Curiosity and Independent Study Skills **MET**

Graduates of the Computer Science Program will be able to demonstrate intellectual curiosity and the independent study skills necessary for life-long learning.

Curriculum Outcomes 6, 7 and 8. /Department of Computer Science

· Graduates of the program will have an ability to independently acquire new computing related skills and knowledge to pursue either further formal or informal learning after graduation.

MEASURES	RESULTS	ACTIONS
<p>Student Evaluation, Exit Interview, Exit Survey</p> <p>Student Evaluation > 3.75 Exit Interview: Program Quality > 7.5 and Department Student Outcomes > 3.75 Exit Interview: > 3.75, Exit Survey: > 3.75</p> <p>Indirect - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency</p> <p>Indirect Measure Results 2024-2025.docx</p>	<p>MET</p> <p>Analysis</p> <p>Discussed in CS Assessment Committee in June 2025 and action plan, if any, documented.</p>	<p><i>No actions have been added.</i></p>
<p>Rubrics of Selected Courses</p> <p>Rubrics of COSC 4360 and 4302; pass a course and meet the performance criterion of the course.</p> <p>Direct - Other</p> <p>Target</p> <p>80% of students are expected to achieve the proficiency</p> <p>outcome 7 results direct.docx</p>	<p>MET</p> <p>Analysis</p> <p>See the analysis for Curriculum Outcome 7 (attached).</p>	<p>Other - [Curriculum action]</p> <p>COMPLETE</p> <p>See the action plans, if any for Curriculum Outcome 7 (attached).</p>

Conclusion

We discussed in our summer CS Assessment Committee meeting in June 2025 and came up with the needed actions.