

Business Administration: Computer Information Systems (BBA)**Mission**

The Computer Information Systems (CIS) concentration is designed to prepare students for a career in business applications of computing technology and provide the proper foundation for professional and/or graduate work in Computer Information Systems.

Academic Year 2025-2026

Business Administration: Computer Information Systems (BBA) Learning Outcomes**PLO 1: Critical Thinking and Reasoning** MET

Upon completion, graduates with a bachelor's degree in Business Administration with a concentration in Computer Information Systems will be able to apply computing and technical skills in business settings including programming, networking, database management, and the analysis and design of systems for decision making.

MEASURES	RESULTS	ACTIONS
Comprehensive Exam All CIS courses are aligned with this PLO (CISC 3335, CISC 3340, CISC 3350, CISC 3360, CISC 3392, CISC 4380, CISC 4382, CISC 4385); however, course-embedded activities are not a part of this measure. Direct - Exam (Course) <i>Management Information Systems: CISC 3335</i> Target To meet this outcome, at least eighty percent (80%) of the graduating seniors and/or senior students of the Computer Information Systems program will score 75% or above on the comprehensive examination developed by the Computer Information Systems Department.	MET Comprehensive Exam ■ Exceeded ■ Met  0% 100% <i>Values are not shown when too close to each other. Click or use arrow keys to see details.</i> Exceeded: 50% Met: 50% Met Total: 100% Not Met Total: Summary Final Results (May 2026) As of May 2026, for the 2025-2026 Academic year, the four (4) students (100%) who completed the CISC departmental comprehensive exam scored above 70%. The target was met. Analysis Final Analysis (May 2026) Based on the results, of the 4 students who completed the departmental comprehensive exam, 2 students (50%) scored between 85% and 95% while the other 2 students (50%) scored between 70% and 80%. The student's performance indicated some improvement in network security and Information Security risk management. The faculty attribute this achievement to the teaching and discussions of these topics in the Information Systems Security course which was taught during the 2025-2026 Fall semester. Though the 4 students made some improvement in network security and Information Security risk management, the student demonstrated	Other - [Final Action Plan for the Measure (May 2026)] COMPLETE This measure was met, and collectively, this measure is still suitable to assess this outcome. To ensure that the student's performance in Project management concepts is enhanced, the following actions were decided among department faculty to be implemented in Spring 2027. - During the teaching of the Information Systems Analysis Design and Project Management course, more time will be devoted to the module on Project Management to ensure that students are able to define fundamental terminologies such as Project, Project Scope, Deliverable, Project Life Cycle, Work Breakdown Structure (WBS) and Critical Path; describe different project management approaches. - The department will still incorporate additional quizzes on Project Management. Furthermore, for every question a student answers incorrectly in these quizzes, students will be required to research their incorrect responses and resubmit the correct response after every quiz/exam. The expectation is that this iterative process should help students better identify their points of weakness with Information Security risk management and have a better understanding of these areas. Recommended Due Date: 05/30/2026

	deficiencies in knowledge of Project management concepts.	
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General Outcome Actions

ACTIONS
Other - [Final Action Plan for the Outcome (May 2026)] COMPLETE The department will maintain the current outcome for this assessment period. Recommended Due Date: 05/30/2027

Conclusion

Based on the results for the 2025-2026 academic year, this outcome was met.

PLO 3: Communication **MET**

MEASURES	RESULTS	ACTIONS
Presentation of Programming Project Presentation (oral / written component) This assessment measure is aligned with the following courses (CISC 3340, and CISC 3392). Direct - Presentation <i>Problem Solving and Introduction to: CISC 3340</i> Target To meet this outcome, at least 80% of rising juniors, juniors, and rising seniors of the Computer Information Systems program will score 70% or better on an individual hands-on project that is evaluated by the Business faculty based on a standardized rubric.	MET Presentation of Programming Project ■ Exceeded ■ Met  0% 100% <i>Values are not shown when too close to each other. Click or use arrow keys to see details.</i> Exceeded: 33% Met: 67% Met Total: 100% Not Met Total: Summary Final Results (May 2026) As of May 2026, for the 2025-2026 Academic year, the six (6) students who completed the Final project in the Database Systems class scored above 70%. The target was met. Analysis Final Analysis (May 2026) Based on the results, the six (6) students who completed a Java application project designed to calculate and display the sale	Other - [Final Action Plan for the Measure (May 2026)] COMPLETE This measure was met, and collectively, this measure is still suitable to assess this outcome. To ensure that students have a grasp of Object-Oriented Programming (OOP) concepts such as classes, objects, inheritance, encapsulation, and polymorphism, the following actions were decided among department faculty to be implemented in Fall 2026: 1. Emphasis will be made on the use visual diagrams to explain object relationships. 2- Students will be assigned and required to complete mini-projects using everyday scenarios. Recommended Due Date: 05/30/2026

	prices of items while ensuring coverage of rent, utility expenses, and employee salaries scored above 70%, thereby meeting the target outcome. The students' programs demonstrated strong code efficiency and effective application design. Faculty attributed this achievement to instructional sessions that emphasized the development of simple interactive Java applications with graphical user interfaces (GUI), as well as multiple hands-on programming assignments completed prior to the final project during the Fall 2025-2026 semester. The students were however deficient in their understanding of Object-Oriented Programming (OOP) Concepts such as classes, objects, inheritance, encapsulation, and polymorphism.	
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General Outcome Actions

ACTIONS
Other - [Final Action Plan for the Outcome (May 2026)] COMPLETE The department will maintain the current outcome for this assessment period. Recommended Due Date: 05/30/2027

Conclusion

Based on the results, this outcome has been met. Additional data will be collected during the 2025-2026 Spring semester for further analysis.

PLO 2:Application of Computing Skills in Information Systems Developme **MET**

MEASURES	RESULTS	ACTIONS
Hands-On Technology Project This assessment measure is aligned with the following courses (CISC 3350, CISC 3360, and CISC 4380). Direct - Other Target To meet this target, at least eighty percent (80%) of the graduating seniors and/or senior-level students of the Computer Information Systems program will earn a judgment of satisfactory (70%) or greater for the design, development, and presentation of either an application, a database, a local area network or a website for business (e-commerce) that is	MET Hands-On Technology Project ■ Exceeded ■ Met  0% 100% <i>Values are not shown when too close to each other. Click or use arrow keys to see details.</i> Exceeded: 50% Met: 50% Met Total: 100% Not Met Total: Summary	Other - [Final Action Plan for the Measure (May 2026)] COMPLETE This measure was met, and collectively, this measure is still suitable to assess this outcome. To ensure that all students can successfully create queries using INNER and OUTER JOINS, UNION, and INTERSECT, the following actions were decided among department faculty to be implemented in Spring 2027: 1. Students will be required to complete the database design project in stages by the midterm of the Spring 2027. Students will be required to make a submission during each stage. This will ensure that students' progress towards the accomplishment of the project is tracked.

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presented to the Business faculty and assessed based on a standardized rubric.	Final Results (May 2026) As of May 2026, for the 2025-2026 Academic year, the 4 students (100%) who completed the Database design project) scored above 70%. The target was met. Analysis Final Analysis (May 2026). Based on the results, the 4 students (100%) who completed the database design project) scored above 70%. The target was met. The student's performance indicated some improvement in the functionality of their databases (all components including queries and forms are functioning properly). However, the students demonstrated deficiencies in advanced querying concepts and skills such as INNER and OUTER JOINS, UNION, and INTERSECT.	2. Faculty will have one-on-one sessions with students and early interventions during the different stages to provide guidance and tutoring as needed. This will ensure that students remain on track towards and effectively complete the database design project. Recommended Due Date: 05/30/2026
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General Outcome Actions

ACTIONS
Other - [Final Action Plan for the Outcome (May 2026)] COMPLETE The department will maintain the current outcome for this assessment period. Recommended Due Date: 05/30/2027

Conclusion

Based on the results, this outcome has been met. Additional data will be collected during the 2025-2026 Spring semester for further analysis.

Assessment Report Summary

PLO1

As of May 2026, for the 2025-2026 Academic year, the four (4) students (100%) who completed the CISC departmental comprehensive exam scored above 70%. The target was met.

Final Analysis (May 2026)

Based on the results, of the 4 students who completed the departmental comprehensive exam, 2 students (50%) scored between 85% and 95% while the other 2 students (50%) scored between 70% and 80%. The student's performance indicated some improvement in network security and Information Security risk management. The faculty attribute this achievement to the teaching and discussions of these topics in the Information Systems Security course which was taught during the 2025-2026 Fall semester. Though the 4 students made some improvement in network security and Information Security risk management, the student demonstrated deficiencies in knowledge of Project management concepts.

PLO2

As of May 2026, for the 2025-2026 Academic year, the 4 students (100%) who completed the Database design project) scored above 70%. The target was met.

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Final Analysis (May 2026).

Based on the results, the 4 students (100%) who completed the database design project) scored above 70%. The target was met. The student's performance indicated some improvement in the functionality of their databases (all components including queries and forms are functioning properly). However, the students demonstrated deficiencies in advanced querying concepts and skills such as INNER and OUTER JOINS, UNION, and INTERSECT.

PLO3

As of May 2026, for the 2025-2026 Academic year, the six (6) students who completed the Final project in the Database Systems class scored above 70%. The target was met.

Final Analysis (May 2026)

Based on the results, the six (6) students who completed a Java application project designed to calculate and display the sale prices of items while ensuring coverage of rent, utility expenses, and employee salaries scored above 70%, thereby meeting the target outcome. The students' programs demonstrated strong code efficiency and effective