

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 2023-2024

Business Administration: Computer Information Systems (BBA) Learning Outcomes**PLO 1: Technical Proficiency and Application** 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
Departmental Comprehensive Examination 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) Target To meet this outcome, at least eighty percent (80%) of the graduating seniors and/or senior BBA-Computer Information Systems program students will score 70% or above on the comprehensive examination developed by the Computer Information Systems Department. 23/24	MET Departmental Comprehensive Examination ■ Met  0% 100% <i>Values are not shown when too close to each other. Click or use arrow keys to see details.</i> Met: 100% Met Total: 100% Not Met Total: Summary Final Results (May 2024) As of May 2024, for the 2023-2024 Academic year, the lone student (100%) who completed the CIS departmental comprehensive exam scored above 70%. The target was met. Analysis Final Analysis (May 2024) Based on the results, the lone student (100%) who completed the departmental comprehensive exam scored above 70%. The student's performance indicated some improvement in Information Systems Security concepts. The faculty attribute this achievement to the assignment of information systems security analysis projects and the incorporation of additional information systems security quizzes in the Management Information Systems course during the 2023-2024 academic year. Due to budgetary constraints, students in the Computer Information systems program could not be enrolled in the IBM Security Learning Academy as planned during the 2022-2023 assessment period. Though the lone student made some improvement in Information Systems	Other - [Final Action Plan for the Measure (May 2024)] COMPLETE This measure was met, and collectively, this measure is still suitable to assess this outcome. To ensure that the student's performance in Access Control and Security Technology is enhanced, the following actions were decided among department faculty to be implemented in fall 2024. 1. Students will be required to enroll in the IBM Cybersecurity Analyst Professional Certificate through Coursera and complete modules on Cybersecurity Tools & Cyberattacks and Network Security & Database Vulnerabilities. The University currently has a partnership with Coursera. The IBM Cybersecurity Analyst Professional Certificate offered through Coursera offers hands-on activities with leading enterprise security solutions that will enable our students to enhance their knowledge and skills of cybersecurity analyst tools including data protection; endpoint protection; and systems and network fundamentals. 2. The department will still incorporate additional quizzes on Access Control and Security Technology tools. 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 Access Control and Security Tools and have a better understanding of these areas. Recommended Due Date: 05/31/2024

	Security concepts, this was not very satisfactory. The student demonstrated deficiencies in Access Control and Security Technology such as Intrusion Detection and Prevention Systems.	
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General Outcome Actions

ACTIONS
Other - [Final Action Plan for the Outcome (May 2024)] COMPLETE The department will maintain the current outcome for this assessment period. Recommended Due Date: 05/31/2024

Conclusion

Based on the results for the 2023-2024 academic year, this outcome was met.

PLO 2: 2. Technical Proficiency and Application **MET**

- o Outcome: Students will exhibit proficiency in using various information technology tools and systems to support business operations and decision-making.
- o Skills: Technical skills in software and hardware, data management, system analysis.
- o Dispositions: Adaptability, continuous learning, technical curiosity.

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 <i>Web-Based Business Applications-: CISC 3360</i> 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 presented to the Business faculty and assessed based on a standardized rubric. 23/24	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: 75% Met: 25% Met Total: 100% Not Met Total: Summary Final Results (May 2024) As of May 2024, for the 2023-2024 Academic year, all four (4) students (100%) who completed the website design project scored above 70%. The target was met. Analysis	Other - [Final Action Plan for the Measure (May 2024)] COMPLETE This measure was met, and collectively, this measure is still suitable to assess this outcome. To ensure that the websites designed by students contain dynamic web pages, the following actions were decided among department faculty to be implemented in Spring 2025: 1. Students will be taught how to use scripting languages such as JavaScript and PHP to create dynamic webpages before midterm of the Spring 2025. 2. Students will be required to use scripting languages to create dynamic webpages in multiple web design class assignments prior to the final project of designing a website. These repetitive web design class assignments will give the students the opportunity to demonstrate their ability to create dynamic web pages and to review any concepts they may have missed. Recommended Due Date: 05/31/2024

	Final Analysis (May 2024) Based on the results, all 4 students (100%) who completed the web design project in which students were required to create a website for a business scored above 70%. The students' websites exhibited appropriate layout, proper color choices, a user-friendly navigation and, meaningful graphics. However, the student's websites were deficient in dynamic web pages and user interactivity.	
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General Outcome Actions

ACTIONS
Other - [Final Action Plan for the Outcome (May 2024)] COMPLETE The department will maintain the current outcome for this assessment period. Recommended Due Date: 05/31/2024

Conclusion

Based on the results, this outcome was met for the 2023-2024 academic year.

PLO 3: 3. Ethical and Social Responsibility **MET**

- o Outcome: Students will understand and apply ethical principles and social responsibility in the context of computer information systems and business practices.
- o Skills: Ethical reasoning, understanding of legal and regulatory issues, social awareness.
- o Dispositions: Integrity, accountability, respect for diversity.

MEASURES	RESULTS	ACTIONS
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Business Administration: Computer Information Systems (BBA)

Presentation of Programming Project Presentation (oral / written component) This assessment measure is aligned with the following courses (CISC 3340, and CISC 3392). Direct - Presentation Visual Basic Appliations: CISC 3392 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. 23/24	MET Presentation of Programming Project ExceededMetNot Met <table><tr><th></th><th></th></tr><tr><td>Exceeded:</td><td>20%</td></tr><tr><td>Met:</td><td>60%</td></tr><tr><td>Not Met:</td><td>20%</td></tr><tr><td>Met Total:</td><td>80%</td></tr><tr><td>Not Met Total:</td><td>20%</td></tr></table> Summary Final Results (May 2024) As of May 2024, for the 2023-2024 Academic year, four (4) students (80%) who completed and presented a Visual Basic Application for determining and displaying a student’s grade based on the student’s score in a test scored above 70%. One student (20%) sores below 70%. The target was met. Analysis Final Analysis (May 2024) Based on the results, four (4) students (80%) who completed and presented a Visual Basic Application for determining and displaying a student’s grade based on the student’s score in a test scored above 70%. Though 80% of the students met the target, a review of the code of applications for all students in the class revealed some deficiencies with If...Then...Else statements and logical operations especially with scenarios of multiple If statements within another If statement.			Exceeded:	20%	Met:	60%	Not Met:	20%	Met Total:	80%	Not Met Total:	20%	Other - [Final Action Plan for the Measure (May 2024)] COMPLETE This measure was met, and collectively, this measure is still suitable to assess this outcome. To ensure that students have a grasp of the content and are able to create visual basic applications which entail the use of If...Then...Else statements and logical operations especially with scenarios of multiple If statements within another If statement, the following actions were decided among department faculty to be implemented in Spring 2025: 1. Emphasis will be made on creating visual basic applications with nested selection structures or nested If statements during the semester. 2- Students will be assigned and required to complete multiple exercise which will require that students create visual basic applications using nested selection structures. Recommended Due Date: 05/31/2024
Exceeded:	20%													
Met:	60%													
Not Met:	20%													
Met Total:	80%													
Not Met Total:	20%													

General Outcome Actions

ACTIONS
Other - [Final Action Plan for the Outcome (May 2024)] COMPLETE The department will maintain the current outcome for this assessment period. Recommended Due Date: 05/31/2024

Conclusion

Based on the results, this outcome was met for the 2023-2024 academic year.