

Instructional Program Review- Annual Update Template

Instructional Program

Indicate the type of program: ☐ AA; ☐ AS; ☐ AA-T; ☒ AS-T; ☐ Certificate

Program Name: Computer Science

Academic Year: 2025/2026

Name of Faculty Submitter(s): Jacob Batarseh

Annual Update #1 ☐ #2 ☒

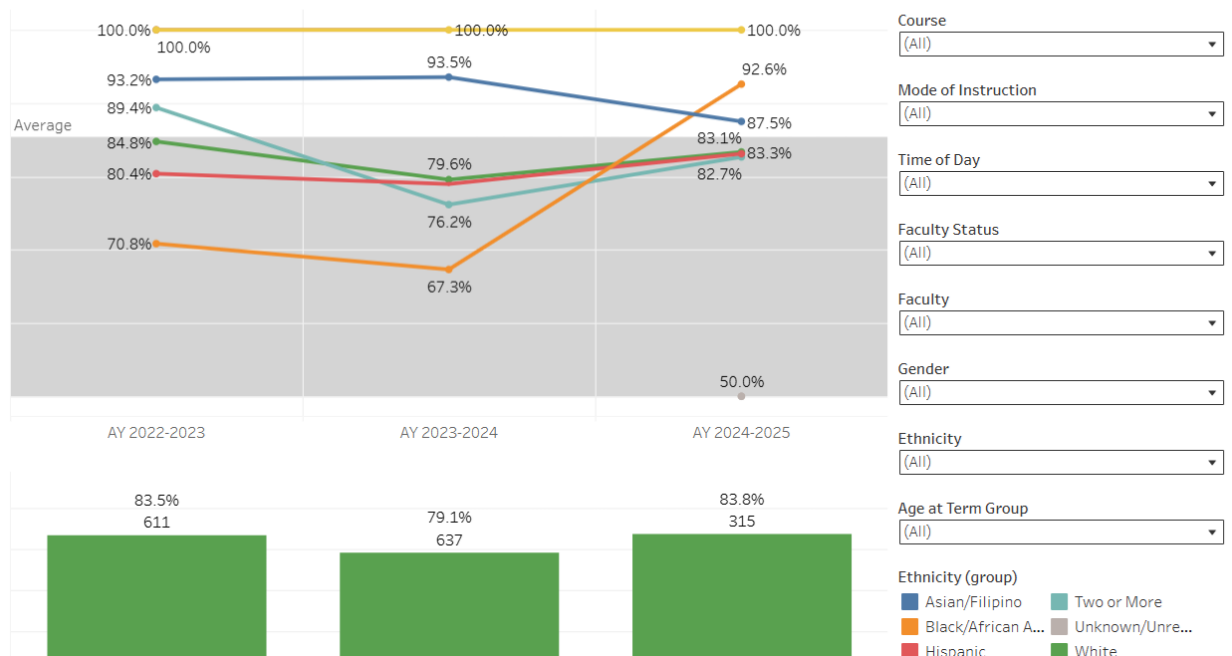
***Note: An Annual Update must be submitted each year that a Program Review is not submitted.**

I. Progress on Program Level Outcomes (PLOs) and Student Learning Outcomes (SLOs) Data

A) Summarize the progress made on course level outcomes and assessments (SLOs):

The CSIS courses' SLOs are evaluated constantly. The success rate for all CSIS courses for the Academic Year of 2024/2025 is at 83.8% (Last Year was 79.1%), which is way above than the minimum threshold of 70%. The CSIS faculty are constantly working on improving the SLOs success rate and encourage students to participate on all assignments that are used to measure the different course level SLOs.

Program Course Success Rates



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- B) Please list specific courses or SLOs that were identified for student-centered growth and improvement.

Use the information from Part C of the "Program Learning Outcomes Assessment Data" section of the IPR.

CSIS-33: Design and implement algorithms using pseudocode computer program to solve real world applications. CSIS-35: Demonstrate knowledge of basic concepts in Data Structures; such as linked lists, stacks, queues, and hash tables. CSIS-10: Understand the organizational structure of computer hardware and its relation to computer software

- 1) List the actions identified to help grow or improve those areas.
 1. Enhance the lecture notes by updating the learning videos that illustrates the different PLO concepts listed above.
 2. Provided more programming examples that help students achieve better understanding of the above PLOs.
 3. Posted Announcements constantly that reminded students to do the assigned work to help students achieve better assessment outcomes.
- 2) Discuss the progress the program has made on those actions. Include any data used to support progress.

Students achieved high success rate, way above 70%, on the SLOs that supports the above PLOs from the three (3) different courses:

CSIS-33: Design and implement algorithms using *pseudocode* computer program to solve real world applications:

Course: CSIS-33_Fall 2024

SLO #2: Create C++ applications using a C++ Integrated Development Environment (IDE) kit.

Lab #4: Success Rate 99%

Evidence of Data:

20208 - CSIS 33 (Programming Concepts & Methodology I Using C++)			
Student	SLO #1 Quiz #2	SLO #2 Lab #4	SLO #3 Quiz #7
Points Possible	100%	100%	100%
Arora, Adi	100%	100%	100%
Cruz, Oscar	100%	100%	100%
Dichoso, Joziah	100%	100%	80%
Dobbs, Christian	100%	100%	100%
Espinosa, Asher	70%	100%	90%
Flores, Ruben	90%	100%	100%
Garcia, Erica	100%	84%	
Higgins, Carson	90%	100%	100%

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Jensen, Caspian	100%	100%	100%
MCDOLE, DAVID	100%	100%	90%
Millon, Terrell	100%		90%
Mora Reyes, Alexis	100%	100%	90%
Rodriguez, Angel	100%	100%	100%
Rodriguez, Renee	100%	100%	100%
Sellers, Thomas	70%	100%	80%
Soria, Irwin	90%	100%	
Verdugo, Matthew	100%	100%	100%
WARNER, KEVIN	100%	100%	100%
Count	18	17	16
Average	95%	99%	95%

CSIS-33: Design and implement algorithms using *psuedocode* computer program to solve real world applications:

Course: CSIS-33_Spring 2025

SLO #2: Create C++ applications using a C++ Integrated Development Environment (IDE) kit.

Lab #4: Success Rate 91% (One student submitted wrong lab report)

Evidence of Data:

40149 - CSIS 33 (Programming Concepts & Methodology I Using C++)			
	SLO #1 Quiz #2	SLO #2 Lab #4	SLO #3 Quiz #7
Student			
Points Possible	100%	100%	100%
Baker, Katlain	100%	100%	80%
Carrillo, Sai Marie Carrillo	70%	8%	100%
Davis, Julian	100%	84%	80%
Dwarakanath, Manali	100%	100%	100%
Girgis, Emad	100%	100%	90%
Macias, Zoie	100%		100%

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Marin, Oscar	100%	100%	100%
Moore, Valeria	100%	100%	90%
Paez, Raul	100%		100%
Pearsall, Robert	90%	100%	90%
Pierce, Lane	100%	100%	80%
Pina, Esteban	100%	100%	100%
Pittman, Dimon	90%	100%	80%
Renteria, Juan	100%	100%	100%
Rodriguez, Brian	100%		90%
Ruiz, Jason	90%	84%	80%
Villacisneros, Clyde	100%		
Wasland, Ariana Schooler	100%	100%	100%
	18	14	17
	97%	91%	92%

CSIS-35: Demonstrate knowledge of basic concepts in Data Structures; such as linked lists, stacks, queues, and hash tables.

Course: CSIS-35_Spring 2025

SLO #1: Demonstrate how to insert and delete elements in a linked list.

Lab #8: Success Rate 100%

Evidence of Data:

Student	Section	SLO #1 Lab #8	SLO #2 Lab #8	SLO #3 ???
Points Possible		100%	100%	???
Arora, Siya	40415 - CSIS 35 (Data Structures)	100%	100%	???
Bhakta, Mira	40415 - CSIS 35 (Data Structures)	100%	100%	???
Cayan, Samantha	40415 - CSIS 35 (Data Structures)	100%	100%	???
Chavez, Issac	40415 - CSIS 35 (Data Structures)	100%	100%	???
Cruz, Oscar	40415 - CSIS 35 (Data Structures)	100%	80%	???
Davis, Julian	40415 - CSIS 35 (Data Structures)	100%	100%	???
Dichoso, Joiziah	40415 - CSIS 35 (Data Structures)	100%	100%	???

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Dwarakanath, Manali	40415 - CSIS 35 (Data Structures)	100%	100%	???
Jensen, Caspian	40415 - CSIS 35 (Data Structures)	100%	100%	???
MCDOLE, DAVID	40415 - CSIS 35 (Data Structures)	100%	100%	???
Nente, Jeremiah	40415 - CSIS 35 (Data Structures)	100%	100%	???
Paz, Imelda	40415 - CSIS 35 (Data Structures)	100%	100%	???
Pierce, Lane	40415 - CSIS 35 (Data Structures)	100%	100%	???
Pina, Esteban	40415 - CSIS 35 (Data Structures)	100%	100%	???
Pun, Milan	40415 - CSIS 35 (Data Structures)	100%	100%	???
Renteria, Juan	40415 - CSIS 35 (Data Structures)	100%	100%	???
Rodriguez, Renee	40415 - CSIS 35 (Data Structures)	100%	100%	???
Sekhonor, Jasnoor	40415 - CSIS 35 (Data Structures)	100%	100%	???
Swann, Mia	40415 - CSIS 35 (Data Structures)	100%	100%	???
Telles, Martin	40415 - CSIS 35 (Data Structures)	100%	100%	???
Verdugo, Matthew	40415 - CSIS 35 (Data Structures)	100%	100%	???
	Average	100%	99%	???

CSIS-10: Identify the major components of a modern processor, ALU, Control Unit and Memory.

Course: CSIS-10_Spring 2025

SLO #2: Identify the major components of a modern processor, ALU, Control Unit and Memory.

Lab #4: Success Rate 99%

Evidence of Data is shown below section:

CSIS-10: Be able to code and test programs using Assembly Language Programming.

Course: CSIS-10_Spring 2025

SLO #3: Demonstrate how to insert and delete elements in a linked list.

Lab #6: Success Rate 98%

Evidence of Data:

20252 - CSIS 10 (Computer Architecture and Organization with Assembly Programming)			
Student	Lab #2 SLO#1	Lab #4 SLO #2	Lab #6 SLO #3
Points Possible	100	100	100
Alyahya, Lamis	100	100	100
Baker, Katlain	100	100	100

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Banouba, maher	100	100	100
Barnes, Malik	100		
Belmontes, Cristofer	100	100	
Calderon, Carolyn	100	100	100
Cordova, Vivian		100	
CURTIS, HEATHER			
Davis, Julian	75	100	
Dobbs, Christian	100		70
Floe, Letizia	100	100	100
Fuller, Cortney			
Garcia, Marcello	100	100	100
Girgis, Amir	100	100	100
Higuera Salinas, Diego	100	100	100
Khan, Samir	100	100	100
Maestas, Malachi	100	100	100
Millon, Terrell	100	100	100
Mora Reyes, Alexis	100	100	100
Paolini, Dominic	100	100	100
Patterson, Derrick	100	100	100
Pena, Jean	100	100	100
Pun, Milan	100	100	100
Rodriguez, Angel	70	80	90
Saad, Sara	100	100	100
Sanchez, Moe	100	100	100
Sellers, Thomas	100	100	100
Telles, Martin	100	100	
Verdugo, Matthew	100	100	100
Virk, Serena	100	100	100
WARNER, KEVIN	100	100	100
Weiler, Adam	100	100	100
Number	29	28	25
Average	98%	99%	98%

C) Please list any actions identified to support equitable outcomes.

Use the information from Part D of the "Program Learning Outcomes Assessment Data" section in the IPR.

Click or tap here to enter text.

- 1) List the specific student groups the program identified as students they would like to focus their efforts on.
Homeless students.

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- 2) Discuss any progress with equitable action within the program and any measures taken to ensure the identified student group(s) would receive appropriate support. Include any data used to support progress.
 1. I contacted the TLC to help accommodate students to meet their needs to help them succeed in their studies. Also contacted the Dean of Academic affairs to see how can we help such a group.
- D) Describe any other program, course, and/or instructional changes made by your program as a result of the outcomes assessment process.

None was needed.
- E) Reflecting on the responses for B) and C) above, what will you implement for the next assessment cycle?
 1. Continue to monitor student progress.
 2. Continue to evaluate CSLOs to ensure continued success.
 3. Continue to look for ZCT to ensure equity and equality.

II. Progress Toward Achieving Program Goals, Objectives, and Outcomes

These should be carried forward from your full Program Review (Section III), or from your Annual Update #1, if revised since your full Program Review.

A) List the 2-3 goals from your Program Review or most recent update.

1. GOAL #1

Goal: Enhance Student Support by providing the necessary Technology.

Progress: Contacted Dean of Instruction to buy the necessary laptops that will help students succeed in the different CSIS classes. The current Chromebooks are not sufficient in performing the assigned work in CSIS-33, CSIS-35, and CSIS-10.

2. GOAL #2

Goal: Increase student access and student success by providing OER textbooks.

Progress: The search continues in finding a ZCT that can be used in CSIS-10, CSIS-18, CSIS-33, and CSIS-35. It's hard to find such textbooks in the CS field.

3. GOAL #3

Click or tap here to enter text.

B) Have any goals been completed or discontinued?

If yes, please list the goal and whether it has been completed or discontinued; if discontinued, please explain why.

Yes ☐

No ☒

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The work is in progress.

C) Discuss the objectives and related outcomes for each goal.

1. GOAL #1 Objective(s) with related Outcome.

Goal #1: Enhance Student Support by providing the necessary Technology.

Objective(s): Increase success and retention rate.

- **Discuss any progress toward meeting the goal based on the goal objectives.**

Progress: Contacted Dean of Instruction to buy the necessary laptops that will help students succeed in the different CSIS classes. The current Chromebooks are not sufficient in performing the assigned work in CSIS-33, CSIS-35, and CSIS-10.

- **Briefly explain how you have been measuring the goal and any notable indicators of forward progress.**

1. Monitoring the CSLOs.
2. Success Rate.

2. GOAL #2 Objectives with related Outcome.

Goal #2: Increase student access and student success by providing OER textbooks.

Objective(s): Increase success and retention rate.

- **Discuss any progress toward meeting the goal based on the goal objectives.**

Progress: The search continues in finding a ZCT that can be used in CSIS-10, CSIS-18, CSIS-33, and CSIS-35. It's hard to find such textbooks in the CS field.

- **Briefly explain how you have been measuring the goal and any notable indicators of forward progress.**

1. Monitoring the CSLOs.
2. Success Rate.

3. GOAL #3 Objectives with related Outcome.

N/A

- **Discuss any progress toward meeting the goal based on the goal objectives.**

N/A

- **Briefly explain how you have been measuring the goal and any notable indicators of forward progress.**

N/A

D) List any resource you are requesting for each goal.

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1. Goal 1 ☐ Goal 2 ☐ Goal 3 ☐

Please list the resource and how it relates to the goal.

Click or tap here to enter text.

2. Goal 1 ☐ Goal 2 ☐ Goal 3 ☐

Please list the resource and how it relates to the goal.

Click or tap here to enter text.

3. Goal 1 ☐ Goal 2 ☐ Goal 3 ☐

Please list the resource and how it relates to the goal.

Click or tap here to enter text.

III. New Goals (optional)

This section is optional and should be used to replace a completed or discontinued goal OR if a new goal has become necessary for the program.

A. NEW GOAL #1

None

1. Alignment to BCC Strategic Priority *(Select at least one but choose all that apply)*

Choose an item.

Choose an item.

Choose an item.

Choose an item.

2. Relationship to Guided Pathways

☐ Clarify the Path

☐ Entering the Path

☐ Staying on the Path

☐ Support Learning

3. Please list at least one objective for achieving this goal.

Click or tap here to enter text.

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4. Please list outcome statements for each objective.
Click or tap here to enter text.
 5. Briefly explain how you will measure the outcome.
Click or tap here to enter text.
 6. Please list resources (if any) that will be needed to achieve the goal/outcome.
Click or tap here to enter text.
-

B. NEW GOAL #1

None

1. Alignment to BCC Strategic Priority (*Select at least one but choose all that apply*)

Choose an item.

Choose an item.

Choose an item.

Choose an item.

2. Relationship to Guided Pathways

- ☐ Clarify the Path
- ☐ Entering the Path
- ☐ Staying on the Path
- ☐ Support Learning

3. Please list at least one objective for achieving this goal.
Click or tap here to enter text.
4. Please list outcome statements for each objective.
Click or tap here to enter text.
5. Briefly explain how you will measure the outcome.
Click or tap here to enter text.
6. Please list resources (if any) that will be needed to achieve the goal/outcome.
Click or tap here to enter text.

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IV. Resource Requests: What does the program need to meet its goals and objectives?

What does the program need to meet its goals and objectives?

List all resources from Sections II.D and III.6 below.

If there was no room on the template to list all resources being requested for a single goal/objective, you may list additional resource requests here. Also list any resources required to implement planned improvements.

IMPORTANT: A BUDGET ALLOCATION PROPOSAL must be completed and submitted for **EACH** new resource requested.

Goal #	Objective #	Resource Required	Estimated Cost	BAP Required? Yes or No	In No, indicate funding source
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.