

Student Outcomes (2022-23) & Continuous Improvement (Assessment) – Last Update: May 16, 2022

B.S. CIS

The following are the six SLOs that the department evaluates in a **three-year cycle**. The second-cycle results represent follow-up actions based on actions recommended during the previous year assessment.

Graduates of the program will have an ability to:

1. (SLO1) Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. (SLO2) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. (SLO3) Communicate effectively in a variety of professional contexts.
4. (SLO4) Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. (SLO5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. (SLO6IS) Support the delivery, use, and management of information systems within an information systems environment. [IS]

SLO 1 to 5: Use computing core courses if possible.

SLO 6: Use CIS major core courses.

Data to be broken down by **major**, then by **on-ground / online**.

The annual SLO measurement cycle is as follows:

3-Year Cycle 19-21: AY 2019-20 / 2020-21 / 2021-22

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 3300 Client-Side Web Development (updated CIT Major)	Year 1 19-20 Met	Year 1 19-20 Met				
CSCI 4100 Operating Systems and Architecture (CS/CIS Major)		Year 3 21-22 Not Met				
CSCI 4200 Principles of Information Security (Comp Core)	Year 3 21-22 Met			Year 2 20-21 Met	Year 3 21-22 Met	
CSCI 4400 Principles of Database Management (Comp Core)	Year 3 21-22 Not Met	Year 3 21-22 Not Met				
CSCI 4603						Year 3

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
Requirements and Project Management (CIS Major)						21-22 Met
CSCI 4750 Systems Analysis and Design (CIS/CIT Major)	Year 1 19-20 Met	Year 1 19-20 Met	Year 2 20-21 Met		Year 3 21-22 Met	Year 3 21-22 Met
CSCI 4800 Senior Seminar (Comp Core)			Year 2 20-21 Met	Year 2 20-21 Met		

3-Year Cycle 22-25: AY 2022-23 / 2023-24 / 2024-25

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 4100 Operating Systems and Architecture (CS/CIS Major)		Year 1 22-23				
CSCI 4200 Principles of Information Security (Comp Core)	Year 1 22-23			Year 2 23-24	Year 3 24-25	
CSCI 4400 Principles of Database Management (Comp Core)	Year 1 22-23	Year 1 22-23				
CSCI 4603 Requirements and Project Management (CIS Major)						Year 3 24-25
CSCI 4750 Systems Analysis and Design (CIS/CIT Major)			Year 2 23-24		Year 3 24-25	Year 3 24-25
CSCI 4800 Senior Seminar (Comp Core)			Year 2 23-24	Year 2 23-24		

Annual SLO measurement cycle:

- Year 1: 2019-2020 AY / 2022-2023 AY
- Year 2: 2020-2021 AY / 2023-2024 AY
- Year 3: 2021-2022 AY / 2024-2025 AY

B.S. CIT

The following are the six SLOs that the department evaluates in a three-year cycle. The second-cycle results represent follow-up actions based on actions recommended during the previous year assessment.

Graduates of the program will have an ability to:

1. (SLO1) Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. (SLO2) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. (SLO3) Communicate effectively in a variety of professional contexts.
4. (SLO4) Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. (SLO5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. (SLO6IT) Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals. [IT]

SLO 1 to 5: Use computing core courses if possible.

SLO 6: Use CIT major core courses.

Data to be broken down by **major**, then by **on-ground / online**.

The annual SLO measurement cycle is as follows:

3-Year Cycle 19-21: AY 2019-20 / 2020-21 / 2021-22

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 3300 Client-Side Web Development (updated CIT Major)	Year 1 19-20 Met	Year 1 19-20 Met Year 3 21-22 Not Met				
CSCI 4200 Principles of Information Security (Comp Core)	Year 3 21-22 Met			Year 2 20-21 Met	Year 3 21-22 Met	
CSCI 4400 Principles of Database Management (Comp Core)	Year 3 21-22 Not Met	Year 3 21-22 Met				
CSCI 4760 Linux System Administration (CIT Major)						Year 3 21-22 Met
CSCI 4750 Systems Analysis and Design (CIS/CIT Major)	Year 1 19-20 Met	Year 1 19-20 Met	Year 2 20-21 Met		Year 3 21-22 Met	Year 3 21-22 Met

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 4800			Year 2	Year 2		
Senior Seminar (Comp Core)			20-21 Met	20-21 Met		

3-Year Cycle 22-25: AY 2022-23 / 2023-24 / 2024-25

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 3300 Client-Side Web Development (updated CIT Major)		Year 1 22-23				
CSCI 4200 Principles of Information Security (Comp Core)	Year 1 22-23			Year 2 23-24	Year 3 24-25	
CSCI 4400 Principles of Database Management (Comp Core)	Year 1 22-23	Year 1 22-23				
CSCI 4760 Linux System Administration (CIT Major)						Year 3 24-25
CSCI 4750 Systems Analysis and Design (CIS/CIT Major)			Year 2 23-24		Year 3 24-25	Year 3 24-25
CSCI 4800 Senior Seminar (Comp Core)			Year 2 23-24	Year 2 23-24		

Annual SLO measurement cycle:

- Year 1: 2019-2020 AY / 2022-2023 AY
- Year 2: 2020-2021 AY / 2023-2024 AY
- Year 3: 2021-2022 AY / 2024-2025 AY

B.S. CSC

The following are the six SLOs that the department evaluates in a **three-year cycle**. The second-cycle results represent follow-up actions based on actions recommended during the previous year assessment.

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1. (SLO1) Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. (SLO2) Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. (SLO3) Communicate effectively in a variety of professional contexts.
4. (SLO4) Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. (SLO5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. (SLO6CS) Apply computer science theory and software development fundamentals to produce computing-based solutions. [CS]

SLO 1 to 5: Use computing core courses if possible.

SLO 6: Use CS major core courses.

Data to be broken down by **major**, then by **on-ground / online**.

The annual SLO measurement cycle is as follows:

3-Year Cycle 19-21: AY 2019-20 / 2020-21 / 2021-22

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 3005 Object Oriented Programming (CS Major)	Year 3 21-22 Not Met	Year 3 21-22 Met				
CSCI 3250 Data Structures and Algorithms (CS Major)	Year 1 19-20 Not Met Year 3 21-22 Not Met	Year 1 19-20 Not Met				Year 3 21-22 Not Met
CSCI 3400 Computer Organization I (CS/CIS Major)	Year 1 19-20 Not Met	Year 1 19-20 Not Met				
CSCI 4100 Operating Systems and Architecture (CS/CIS Major)		Year 3 21-22 Not Met				
CSCI 4200 Principles of Information Security (Comp Core)				Year 2 20-21 Met	Year 3 21-22 Met	

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 4800 Senior Seminar (Comp Core)			Year 2 20-21 Met	Year 2 20-21 Met		
CSCI 4805 Computer Science Capstone (CS Major)			Year 2 20-21 Met		Year 3 21-22 Met	Year 3 21-22 Met

3-Year Cycle 22-25: AY 2022-23 / 2023-24 / 2024-25

Course	SLO1	SLO2	SLO3	SLO4	SLO5	SLO6
CSCI 3005 Object Oriented Programming (CS Major)	Year 1 22-23	Year 1 22-23				
CSCI 3250 Data Structures and Algorithms (CS Major)	Year 1 22-23					Year 3 24-25
CSCI 4100 Operating Systems and Architecture (CS/CIS Major)		Year 1 22-23				
CSCI 4200 Principles of Information Security (Comp Core)				Year 2 23-24	Year 3 24-25	
CSCI 4800 Senior Seminar (Comp Core)			Year 2 23-24	Year 2 23-24		
CSCI 4805 Computer Science Capstone (CS Major)			Year 2 23-24		Year 3 24-25	Year 3 24-25

Annual SLO measurement cycle:

- Year 1: 2019-2020 AY / 2022-2023 AY
- Year 2: 2020-2021 AY / 2023-2024 AY
- Year 3: 2021-2022 AY / 2024-2025 AY

Additional Information

Reports from the Nuventive software are available for review.