Bowling Green State University

AIC Exam Results NOTE: The Evaluation Index is within 5% of the National Average for Each SLO

Data Collection Semester: Fall 2022

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**N/A**
2	Create oral presentations appropriate to the construction discipline.	**N/A**
3	Create a construction project safety plan.	**N/A**
4	Create construction project cost estimates.	**N/A**
5	Create construction project schedules	**N/A**
6	Analyze professional decisions based on ethical principles.	**63% of students met or exceeded 67%**
7	Analyze construction documents for planning and management of construction processes.	**50% of students met or exceeded 68%**
8	Analyze methods, materials, and equipment used in construction processes.	**50% of students met or exceeded 70%**
9	Apply construction management skills as a member of a multidisciplinary team.	**N/A**
10	Apply electronic-based technology to manage the construction process.	**N/A**
11	Apply basic surveying techniques for construction layout and control	**N/A**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**38% of students met or exceeded 66%**
13	Understand construction risk management.	**50% of students met or exceeded 66%**
14	Understand construction accounting and cost control.	**38% of students met or exceeded 67%**
15	Understand construction quality assurance and control.	**44% of students met or exceeded 68%**
16	Understand construction project control processes.	**63% of students met or exceeded 72%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**50% of students met or exceeded 70%**
18	Understand the basic principles of sustainable construction.	**25% of students met or exceeded 55%**
19	Understand the basic principles of structural behavior.	**56% of students met or exceeded 65%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**44% of students met or exceeded 58%**

Bowling Green State University

AIC Exam Results NOTE: The Evaluation Index is within 5% of the National Average for Each SLO

Data Collection Semester: Fall 2022

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**44% of students met or exceeded 71%**
2	Create oral presentations appropriate to the construction discipline.	**75% of students met or exceeded 66%**
3	Create a construction project safety plan.	**50% of students met or exceeded 63%**
4	Create construction project cost estimates.	**31% of students met or exceeded 69%**
5	Create construction project schedules	**44% of students met or exceeded 72%**
6	Analyze professional decisions based on ethical principles.	**63% of students met or exceeded 67%**
7	Analyze construction documents for planning and management of construction processes.	**50% of students met or exceeded 68%**
8	Analyze methods, materials, and equipment used in construction processes.	**50% of students met or exceeded 70%**
9	Apply construction management skills as a member of a multidisciplinary team.	**69% of students met or exceeded 74%**
10	Apply electronic-based technology to manage the construction process.	**38% of students met or exceeded 66%**
11	Apply basic surveying techniques for construction layout and control	**50% of students met or exceeded 65%**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**38% of students met or exceeded 66%**
13	Understand construction risk management.	**50% of students met or exceeded 66%**
14	Understand construction accounting and cost control.	**38% of students met or exceeded 67%**
15	Understand construction quality assurance and control.	**44% of students met or exceeded 68%**
16	Understand construction project control processes.	**63% of students met or exceeded 72%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**50% of students met or exceeded 70%**
18	Understand the basic principles of sustainable construction.	**25% of students met or exceeded 55%**
19	Understand the basic principles of structural behavior.	**56% of students met or exceeded 65%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**44% of students met or exceeded 58%**

Bowling Green State University

SLO 1: Create written communications appropriate to the construction discipline

AIC Exam Results (Not Applicable)
National Average = 76%
Objective - 70% of students meet or exceed 71%

Results: **44% of students met or exceeded 71%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			79.00%	1
2			77.00%	1
3			70.00%	0
4			66.00%	0
5			79.00%	1
6			66.00%	0
7			60.00%	0
8			64.00%	0
9			49.00%	0
10			72.00%	1
11			72.00%	1
12			70.00%	0
13			62.00%	0
14			70.00%	0
15			85.00%	1
16			79.00%	1
				7
				43.75%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 2: Create oral presentations appropriate to the construction discipline

AIC Exam Results (Not Applicable)
National Average = 71%
Objective - 70% of students meet or exceed 66%

Results: **75% of students met or exceeded 66%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			80.00%	1
2			80.00%	1
3			73.00%	1
4			67.00%	1
5			67.00%	1
6			73.00%	1
7			67.00%	1
8			53.00%	0
9			53.00%	0
10			73.00%	1
11			53.00%	0
12			73.00%	1
13			60.00%	0
14			93.00%	1
15			80.00%	1
16			73.00%	1
				12
				75.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 3: Create a construction project safety plan.

AIC Exam Results (Not Applicable)
National Average = 68%
Objective - 70% of students meet or exceed 63%

Results: **50% of students met or exceeded 63%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			64.00%	1
2			64.00%	1
3			73.00%	1
4			50.00%	0
5			82.00%	1
6			86.00%	1
7			68.00%	1
8			59.00%	0
9			41.00%	0
10			50.00%	0
11			68.00%	1
12			55.00%	0
13			50.00%	0
14			59.00%	0
15			73.00%	1
16			59.00%	0
				8
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 4: Create construction project cost estimates.

AIC Exam Results (Not Applicable)
National Average = 74%
Objective - 70% of students meet or exceed 69%

Results: **31% of students met or exceeded 69%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			79.00%	1
2			66.00%	0
3			79.00%	1
4			48.00%	0
5			60.00%	0
6			45.00%	0
7			60.00%	0
8			45.00%	0
9			36.00%	0
10			66.00%	0
11			83.00%	1
12			67.00%	0
13			50.00%	0
14			67.00%	0
15			90.00%	1
16			71.00%	1
				5
				31.25%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 5: Create construction project schedules

AIC Exam Results (Not Applicable)
National Average = 77%
Objective - 70% of students meet or exceed 72%

Results: **44% of students met or exceeded 72%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			89.00%	1
2			63.00%	0
3			85.00%	1
4			52.00%	0
5			65.00%	0
6			37.00%	0
7			61.00%	0
8			59.00%	0
9			39.00%	0
10			65.00%	0
11			76.00%	1
12			78.00%	1
13			52.00%	0
14			76.00%	1
15			96.00%	1
16			85.00%	1
				7
				43.75%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 6: Analyze professional decisions based on ethical principles.

AIC Exam Results (Indirect Assessment)
National Average = 72%
Objective - 70% of students meet or exceed 67%

Results: **63% of students met or exceeded 67%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			63.00%	0
2			63.00%	0
3			75.00%	1
4			46.00%	0
5			75.00%	1
6			67.00%	1
7			75.00%	1
8			67.00%	1
9			50.00%	0
10			63.00%	0
11			67.00%	1
12			67.00%	1
13			46.00%	0
14			67.00%	1
15			92.00%	1
16			67.00%	1
				10
				62.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 7: Analyze construction documents for planning and management of construction processes.

AIC Exam Results (Indirect Assessment)
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **50% of students met or exceeded 68%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			77.00%	1
2			74.00%	1
3			80.00%	1
4			48.00%	0
5			77.00%	1
6			50.00%	0
7			65.00%	0
8			59.00%	0
9			30.00%	0
10			59.00%	0
11			76.00%	1
12			68.00%	1
13			56.00%	0
14			67.00%	0
15			93.00%	1
16			70.00%	1
				8
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 8: Analyze methods, materials, and equipment used in construction processes.

AIC Exam Results (Indirect Assessment)
National Average = 75%
Objective - 70% of students meet or exceed 70%

Results: **50% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			82.00%	1
2			77.00%	1
3			88.00%	1
4			54.00%	0
5			69.00%	0
6			51.00%	0
7			64.00%	0
8			54.00%	0
9			37.00%	0
10			65.00%	0
11			83.00%	1
12			78.00%	1
13			49.00%	0
14			75.00%	1
15			94.00%	1
16			71.00%	1
				8
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 9: Apply construction management skills as a member of a multidisciplinary team.

AIC Exam Results (Not Applicable)
National Average = 79%
Objective - 70% of students meet or exceed 74%

Results: **69% of students met or exceeded 74%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			80.00%	1
2			80.00%	1
3			83.00%	1
4			75.00%	1
5			83.00%	1
6			63.00%	0
7			68.00%	0
8			60.00%	0
9			60.00%	0
10			75.00%	1
11			80.00%	1
12			85.00%	1
13			65.00%	0
14			78.00%	1
15			100.00%	1
16			78.00%	1
				11
				68.75%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 10: Apply electronic-based technology to manage the construction process

AIC Exam Results (Not Applicable)
National Average = 71%
Objective - 70% of students meet or exceed 66%

Results: **38% of students met or exceeded 66%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			84.00%	1
2			59.00%	0
3			88.00%	1
4			50.00%	0
5			56.00%	0
6			34.00%	0
7			59.00%	0
8			53.00%	0
9			41.00%	0
10			56.00%	0
11			66.00%	1
12			72.00%	1
13			47.00%	0
14			63.00%	0
15			97.00%	1
16			75.00%	1
				6
				37.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 11: Apply basic surveying techniques for construction layout and control

AIC Exam Results (Not Applicable)
National Average = 70%
Objective - 70% of students meet or exceed 65%

Results: **50% of students met or exceeded 65%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			62.00%	0
2			77.00%	1
3			81.00%	1
4			50.00%	0
5			62.00%	0
6			38.00%	0
7			62.00%	0
8			65.00%	1
9			35.00%	0
10			65.00%	1
11			73.00%	1
12			73.00%	1
13			46.00%	0
14			62.00%	0
15			92.00%	1
16			73.00%	1
				8
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 12: Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.

AIC Exam Results (Indirect Assessment)
National Average = 71%
Objective - 70% of students meet or exceed 66%

Results: **38% of students met or exceeded 66%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			50.00%	0
2			60.00%	0
3			80.00%	1
4			55.00%	0
5			80.00%	1
6			50.00%	0
7			65.00%	0
8			55.00%	0
9			45.00%	0
10			60.00%	0
11			70.00%	1
12			70.00%	1
13			30.00%	0
14			45.00%	0
15			80.00%	1
16			75.00%	1
				6
				37.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 13: Understand construction risk management.

AIC Exam Results (Indirect Assessment)
National Average = 71%
Objective - 70% of students meet or exceed 66%

Results: **50% of students met or exceeded 66%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			69.00%	1
2			62.00%	0
3			72.00%	1
4			48.00%	0
5			72.00%	1
6			72.00%	1
7			66.00%	1
8			62.00%	0
9			34.00%	0
10			66.00%	1
11			62.00%	0
12			72.00%	1
13			52.00%	0
14			59.00%	0
15			79.00%	1
16			62.00%	0
				8
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 14: Understand construction accounting and cost control.

AIC Exam Results (Indirect Assessment)
National Average = 72%
Objective - 70% of students meet or exceed 67%

Results: **38% of students met or exceeded 67%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			76.00%	1
2			57.00%	0
3			83.00%	1
4			50.00%	0
5			55.00%	0
6			48.00%	0
7			55.00%	0
8			48.00%	0
9			43.00%	0
10			62.00%	0
11			71.00%	1
12			71.00%	1
13			48.00%	0
14			60.00%	0
15			88.00%	1
16			67.00%	1
				6
				37.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 15: Understand construction quality assurance and control.

AIC Exam Results (Indirect Assessment)
National Average = 73%
Objective - 70% of students meet or exceed 68%

Results: **44% of students met or exceeded 68%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			78.00%	1
2			96.00%	1
3			65.00%	0
4			43.00%	0
5			65.00%	0
6			61.00%	0
7			65.00%	0
8			52.00%	0
9			35.00%	0
10			65.00%	0
11			74.00%	1
12			87.00%	1
13			57.00%	0
14			74.00%	1
15			87.00%	1
16			83.00%	1
				7
				43.75%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 16: Understand construction project control processes.

AIC Exam Results (Indirect Assessment)
National Average = 77%
Objective - 70% of students meet or exceed 72%

Results: **63% of students met or exceeded 72%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			82.00%	1
2			76.00%	1
3			82.00%	1
4			58.00%	0
5			76.00%	1
6			61.00%	0
7			74.00%	1
8			45.00%	0
9			50.00%	0
10			76.00%	1
11			79.00%	1
12			79.00%	1
13			53.00%	0
14			63.00%	0
15			95.00%	1
16			84.00%	1
				10
				62.50%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 17: Understand the legal implications of contract, common, and regulatory law to manage a construction project.

AIC Exam Results (Indirect Assessment)
National Average = 75%
Objective - 70% of students meet or exceed 70%

Results: **50% of students met or exceeded 70%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			83.00%	1
2			76.00%	1
3			76.00%	1
4			52.00%	0
5			83.00%	1
6			59.00%	0
7			72.00%	1
8			59.00%	0
9			41.00%	0
10			62.00%	0
11			79.00%	1
12			66.00%	0
13			55.00%	0
14			55.00%	0
15			90.00%	1
16			79.00%	1
				8
				50.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 18: Understand the basic principles of sustainable construction

AIC Exam Results (Indirect Assessment)
National Average = 60%
Objective - 70% of students meet or exceed 55%

Results: **25% of students met or exceeded 55%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			25.00%	0
2			50.00%	0
3			75.00%	1
4			25.00%	0
5			50.00%	0
6			50.00%	0
7			50.00%	0
8			25.00%	0
9			50.00%	0
10			50.00%	0
11			75.00%	1
12			75.00%	1
13			25.00%	0
14			25.00%	0
15			100.00%	1
16			50.00%	0
				4
				25.00%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 19: Understand the basic principles of structural behavior.

AIC Exam Results (Indirect Assessment)
National Average = 70%
Objective - 70% of students meet or exceed 65%

Results: **56% of students met or exceeded 65%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			84.00%	1
2			74.00%	1
3			89.00%	1
4			58.00%	0
5			74.00%	1
6			37.00%	0
7			53.00%	0
8			53.00%	0
9			42.00%	0
10			79.00%	1
11			63.00%	0
12			89.00%	1
13			26.00%	0
14			95.00%	1
15			89.00%	1
16			74.00%	1
				9
				56.25%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student

Bowling Green State University

SLO 20: Understand the basic principles of mechanical, electrical and piping systems.

AIC Exam Results (Indirect Assessment)
National Average = 63%
Objective - 70% of students meet or exceed 58%

Results: **44% of students met or exceeded 58%**

Data Collection Semester: Fall 2022

Student Number	Actual Points	Possible Points	Percentage	%
1			43.00%	0
2			36.00%	0
3			57.00%	0
4			36.00%	0
5			64.00%	1
6			64.00%	1
7			64.00%	1
8			43.00%	0
9			14.00%	0
10			29.00%	0
11			86.00%	1
12			64.00%	1
13			29.00%	0
14			50.00%	0
15			71.00%	1
16			64.00%	1
				7
				43.75%

NOTE: The AIC test results matrix only provides percentage breakdown per SLO for each student