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 2021

	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.	**66.67% of students met or exceeded 66%**
7	Analyze construction documents for planning and management of construction processes.	**79.17% of students met or exceeded 61%**
8	Analyze methods, materials, and equipment used in construction processes.	**70.83% of students met or exceeded 63%**
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.	**70.83% of students met or exceeded 63%**
13	Understand construction risk management.	**70.83% of students met or exceeded 67%**
14	Understand construction accounting and cost control.	**62.50% of students met or exceeded 59%**
15	Understand construction quality assurance and control.	**70.83% of students met or exceeded 70%**
16	Understand construction project control processes.	**62.50% of students met or exceeded 64%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**70.83% of students met or exceeded 64%**
18	Understand the basic principles of sustainable construction.	**29.17% of students met or exceeded 54%**
19	Understand the basic principles of structural behavior.	**58.33% of students met or exceeded 62%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**75.00% of students met or exceeded 66%**

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 2021

	Student Learning Outcome	Results
1	Create written communications appropriate to the construction discipline.	**70.83% of students met or exceeded 62%**
2	Create oral presentations appropriate to the construction discipline.	**45.83% of students met or exceeded 66%**
3	Create a construction project safety plan.	**66.67% of students met or exceeded 63%**
4	Create construction project cost estimates.	**75.00% of students met or exceeded 64%**
5	Create construction project schedules	**70.83% of students met or exceeded 59%**
6	Analyze professional decisions based on ethical principles.	**66.67% of students met or exceeded 66%**
7	Analyze construction documents for planning and management of construction processes.	**79.17% of students met or exceeded 61%**
8	Analyze methods, materials, and equipment used in construction processes.	**70.83% of students met or exceeded 63%**
9	Apply construction management skills as a member of a multidisciplinary team.	**62.50% of students met or exceeded 62%**
10	Apply electronic-based technology to manage the construction process.	**66.67% of students met or exceeded 61%**
11	Apply basic surveying techniques for construction layout and control	**70.83% of students met or exceeded 68%**
12	Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.	**70.83% of students met or exceeded 63%**
13	Understand construction risk management.	**70.83% of students met or exceeded 67%**
14	Understand construction accounting and cost control.	**62.50% of students met or exceeded 59%**
15	Understand construction quality assurance and control.	**70.83% of students met or exceeded 70%**
16	Understand construction project control processes.	**62.50% of students met or exceeded 64%**
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	**70.83% of students met or exceeded 64%**
18	Understand the basic principles of sustainable construction.	**29.17% of students met or exceeded 54%**
19	Understand the basic principles of structural behavior.	**58.33% of students met or exceeded 62%**
20	Understand the basic principles of mechanical, electrical and piping systems.	**75.00% of students met or exceeded 66%**

Bowling Green State University

SLO 1: Create written communications appropriate to the construction discipline

AIC Exam Results (Not Applicable)
National Average = 67%
Objective - 70% of students meet or exceed 62%

Results: **70.83% of students met or exceeded 62%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	62%
1			66.00%	1
2			60.00%	0
3			72.00%	1
4			62.00%	1
5			77.00%	1
6			81.00%	1
7			72.00%	1
8			74.00%	1
9			72.00%	1
10			49.00%	0
11			49.00%	0
12			60.00%	0
13			60.00%	0
14			74.00%	1
15			81.00%	1
16			60.00%	0
17			47.00%	0
18			74.00%	1
19			70.00%	1
20			85.00%	1
21			72.00%	1
22			68.00%	1
23			70.00%	1
24			68.00%	1
				17
				70.83%

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: **45.83% of students met or exceeded 66%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	66%
1			65.00%	0
2			76.00%	1
3			59.00%	0
4			76.00%	1
5			71.00%	1
6			59.00%	0
7			94.00%	1
8			82.00%	1
9			65.00%	0
10			53.00%	0
11			65.00%	0
12			65.00%	0
13			59.00%	0
14			76.00%	1
15			76.00%	1
16			59.00%	0
17			71.00%	1
18			82.00%	1
19			76.00%	1
20			88.00%	1
21			65.00%	0
22			65.00%	0
23			65.00%	0
24			59.00%	0
				11
				45.83%

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: **66.67% of students met or exceeded 63%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	63%
1			58.00%	0
2			42.00%	0
3			92.00%	1
4			67.00%	1
5			62.00%	0
6			71.00%	1
7			75.00%	1
8			67.00%	1
9			92.00%	1
10			42.00%	0
11			54.00%	0
12			71.00%	1
13			46.00%	0
14			67.00%	1
15			75.00%	1
16			58.00%	0
17			54.00%	0
18			83.00%	1
19			79.00%	1
20			71.00%	1
21			67.00%	1
22			71.00%	1
23			79.00%	1
24			67.00%	1
				16
				66.67%

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 = 65%
Objective - 70% of students meet or exceed 60%

Results: **75.00% of students met or exceeded 60%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	60%
1			55.00%	0
2			56.00%	0
3			68.00%	1
4			56.00%	0
5			65.00%	1
6			74.00%	1
7			81.00%	1
8			66.00%	1
9			65.00%	1
10			50.00%	0
11			50.00%	0
12			61.00%	1
13			53.00%	0
14			68.00%	1
15			61.00%	1
16			66.00%	1
17			63.00%	1
18			73.00%	1
19			71.00%	1
20			65.00%	1
21			68.00%	1
22			66.00%	1
23			71.00%	1
24			66.00%	1
				18
				75.00%

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 = 64%
Objective - 70% of students meet or exceed 59%

Results: **70.83% of students met or exceeded 59%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	59%
1			62.00%	1
2			54.00%	0
3			62.00%	1
4			52.00%	0
5			62.00%	1
6			75.00%	1
7			77.00%	1
8			71.00%	1
9			62.00%	1
10			52.00%	0
11			46.00%	0
12			62.00%	1
13			38.00%	0
14			77.00%	1
15			73.00%	1
16			56.00%	0
17			54.00%	0
18			71.00%	1
19			67.00%	1
20			71.00%	1
21			71.00%	1
22			65.00%	1
23			65.00%	1
24			62.00%	1
				17
				70.83%

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 = 71%
Objective - 70% of students meet or exceed 66%

Results: **66.67% of students met or exceeded 66%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	66%
1			75.00%	1
2			58.00%	0
3			79.00%	1
4			62.00%	0
5			67.00%	1
6			71.00%	1
7			83.00%	1
8			75.00%	1
9			50.00%	0
10			58.00%	0
11			46.00%	0
12			71.00%	1
13			62.00%	0
14			79.00%	1
15			83.00%	1
16			75.00%	1
17			67.00%	1
18			79.00%	1
19			71.00%	1
20			96.00%	1
21			71.00%	1
22			58.00%	0
23			75.00%	1
24			54.00%	0
				16
				66.67%

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 = 66%
Objective - 70% of students meet or exceed 61%

Results: **79.17% of students met or exceeded 61%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	61%
1			64.00%	1
2			65.00%	1
3			74.00%	1
4			59.00%	0
5			66.00%	1
6			70.00%	1
7			77.00%	1
8			76.00%	1
9			62.00%	1
10			53.00%	0
11			52.00%	0
12			62.00%	1
13			53.00%	0
14			70.00%	1
15			66.00%	1
16			60.00%	0
17			63.00%	1
18			72.00%	1
19			73.00%	1
20			73.00%	1
21			77.00%	1
22			63.00%	1
23			69.00%	1
24			66.00%	1
				19
				79.17%

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 = 68%
Objective - 70% of students meet or exceed 63%

Results: **70.83% of students met or exceeded 63%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	63%
1			62.00%	0
2			55.00%	0
3			76.00%	1
4			57.00%	0
5			63.00%	1
6			68.00%	1
7			82.00%	1
8			74.00%	1
9			63.00%	1
10			51.00%	0
11			56.00%	0
12			66.00%	1
13			49.00%	0
14			73.00%	1
15			65.00%	1
16			63.00%	1
17			62.00%	0
18			75.00%	1
19			74.00%	1
20			74.00%	1
21			75.00%	1
22			65.00%	1
23			68.00%	1
24			66.00%	1
				17
				70.83%

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 = 67%
Objective - 70% of students meet or exceed 62%

Results: **62.50% of students met or exceeded 62%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	62%
1			64.00%	1
2			58.00%	0
3			71.00%	1
4			58.00%	0
5			67.00%	1
6			71.00%	1
7			80.00%	1
8			71.00%	1
9			56.00%	0
10			51.00%	0
11			42.00%	0
12			64.00%	1
13			53.00%	0
14			71.00%	1
15			82.00%	1
16			49.00%	0
17			58.00%	0
18			82.00%	1
19			67.00%	1
20			78.00%	1
21			76.00%	1
22			60.00%	0
23			71.00%	1
24			64.00%	1
				15
				62.50%

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 = 66%
Objective - 70% of students meet or exceed 61%

Results: **66.67% of students met or exceeded 61%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	61%
1			62.00%	1
2			56.00%	0
3			66.00%	1
4			59.00%	0
5			69.00%	1
6			69.00%	1
7			84.00%	1
8			69.00%	1
9			53.00%	0
10			50.00%	0
11			41.00%	0
12			62.00%	1
13			38.00%	0
14			75.00%	1
15			78.00%	1
16			53.00%	0
17			62.00%	1
18			66.00%	1
19			69.00%	1
20			66.00%	1
21			78.00%	1
22			56.00%	0
23			69.00%	1
24			69.00%	1
				16
				66.67%

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 = 73%
Objective - 70% of students meet or exceed 68%

Results: **70.83% of students met or exceeded 68%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	68%
1			73.00%	1
2			65.00%	0
3			92.00%	1
4			65.00%	0
5			73.00%	1
6			69.00%	1
7			92.00%	1
8			85.00%	1
9			69.00%	1
10			69.00%	1
11			42.00%	0
12			58.00%	0
13			54.00%	0
14			73.00%	1
15			77.00%	1
16			65.00%	0
17			81.00%	1
18			77.00%	1
19			88.00%	1
20			77.00%	1
21			96.00%	1
22			62.00%	0
23			69.00%	1
24			69.00%	1
				17
				70.83%

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 = 68%
Objective - 70% of students meet or exceed 63%

Results: **70.83% of students met or exceeded 63%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	63%
1			70.00%	1
2			60.00%	0
3			60.00%	0
4			75.00%	1
5			70.00%	1
6			70.00%	1
7			75.00%	1
8			80.00%	1
9			85.00%	1
10			60.00%	0
11			70.00%	1
12			75.00%	1
13			60.00%	0
14			85.00%	1
15			80.00%	1
16			60.00%	0
17			40.00%	0
18			65.00%	1
19			80.00%	1
20			75.00%	1
21			80.00%	1
22			75.00%	1
23			65.00%	1
24			60.00%	0
				17
				70.83%

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 = 72%
Objective - 70% of students meet or exceed 67%

Results: **70.83% of students met or exceeded 67%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	67%
1			62.00%	0
2			48.00%	0
3			83.00%	1
4			66.00%	0
5			76.00%	1
6			72.00%	1
7			79.00%	1
8			72.00%	1
9			83.00%	1
10			59.00%	0
11			52.00%	0
12			79.00%	1
13			66.00%	0
14			83.00%	1
15			83.00%	1
16			72.00%	1
17			59.00%	0
18			79.00%	1
19			93.00%	1
20			79.00%	1
21			79.00%	1
22			72.00%	1
23			72.00%	1
24			72.00%	1
				17
				70.83%

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 = 64%
Objective - 70% of students meet or exceed 59%

Results: **62.50% of students met or exceeded 59%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	59%
1			58.00%	0
2			47.00%	0
3			58.00%	0
4			51.00%	0
5			63.00%	1
6			72.00%	1
7			81.00%	1
8			63.00%	1
9			65.00%	1
10			47.00%	0
11			44.00%	0
12			63.00%	1
13			53.00%	0
14			70.00%	1
15			60.00%	1
16			60.00%	1
17			53.00%	0
18			65.00%	1
19			74.00%	1
20			63.00%	1
21			74.00%	1
22			70.00%	1
23			70.00%	1
24			58.00%	0
				15
				62.50%

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 = 75%
Objective - 70% of students meet or exceed 70%

Results: **70.83% of students met or exceeded 70%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	70%
1			80.00%	1
2			64.00%	0
3			96.00%	1
4			72.00%	1
5			76.00%	1
6			68.00%	0
7			88.00%	1
8			92.00%	1
9			60.00%	0
10			56.00%	0
11			72.00%	1
12			72.00%	1
13			60.00%	0
14			80.00%	1
15			76.00%	1
16			64.00%	0
17			68.00%	0
18			88.00%	1
19			80.00%	1
20			88.00%	1
21			80.00%	1
22			72.00%	1
23			80.00%	1
24			76.00%	1
				17
				70.83%

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 = 69%
Objective - 70% of students meet or exceed 64%

Results: **62.50% of students met or exceeded 64%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	64%
1			61.00%	0
2			45.00%	0
3			79.00%	1
4			68.00%	1
5			68.00%	1
6			79.00%	1
7			87.00%	1
8			66.00%	1
9			68.00%	1
10			55.00%	0
11			39.00%	0
12			63.00%	0
13			50.00%	0
14			74.00%	1
15			74.00%	1
16			55.00%	0
17			53.00%	0
18			71.00%	1
19			76.00%	1
20			55.00%	0
21			79.00%	1
22			68.00%	1
23			76.00%	1
24			66.00%	1
				15
				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 = 69%
Objective - 70% of students meet or exceed 64%

Results: **70.83% of students met or exceeded 64%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	64%
1			60.00%	0
2			57.00%	0
3			67.00%	1
4			57.00%	0
5			80.00%	1
6			77.00%	1
7			77.00%	1
8			67.00%	1
9			67.00%	1
10			43.00%	0
11			50.00%	0
12			67.00%	1
13			70.00%	1
14			73.00%	1
15			80.00%	1
16			47.00%	0
17			50.00%	0
18			80.00%	1
19			77.00%	1
20			80.00%	1
21			67.00%	1
22			70.00%	1
23			70.00%	1
24			73.00%	1
				17
				70.83%

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 = 59%
Objective - 70% of students meet or exceed 54%

Results: **29.17% of students met or exceeded 54%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	54%
1			33.00%	0
2			50.00%	0
3			50.00%	0
4			33.00%	0
5			67.00%	1
6			50.00%	0
7			83.00%	1
8			50.00%	0
9			67.00%	1
10			50.00%	0
11			50.00%	0
12			67.00%	1
13			33.00%	0
14			67.00%	1
15			67.00%	1
16			83.00%	1
17			50.00%	0
18			50.00%	0
19			50.00%	0
20			50.00%	0
21			50.00%	0
22			50.00%	0
23			33.00%	0
24			50.00%	0
				7
				29.17%

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 = 67%
Objective - 70% of students meet or exceed 62%

Results: **58.33% of students met or exceeded 62%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	62%
1			60.00%	0
2			45.00%	0
3			65.00%	1
4			55.00%	0
5			65.00%	1
6			70.00%	1
7			80.00%	1
8			65.00%	1
9			60.00%	0
10			40.00%	0
11			55.00%	0
12			65.00%	1
13			40.00%	0
14			70.00%	1
15			75.00%	1
16			60.00%	0
17			70.00%	1
18			75.00%	1
19			65.00%	1
20			70.00%	1
21			60.00%	0
22			80.00%	1
23			70.00%	1
24			50.00%	0
				14
				58.33%

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 = 71%
Objective - 70% of students meet or exceed 66%

Results: **75.00% of students met or exceeded 66%**

Data Collection Semester: Fall 2021

Student Number	Actual Points	Possible Points	Percentage	66%
1			69.00%	1
2			75.00%	1
3			88.00%	1
4			56.00%	0
5			62.00%	0
6			75.00%	1
7			94.00%	1
8			88.00%	1
9			56.00%	0
10			62.00%	0
11			62.00%	0
12			69.00%	1
13			38.00%	0
14			75.00%	1
15			75.00%	1
16			88.00%	1
17			75.00%	1
18			75.00%	1
19			69.00%	1
20			81.00%	1
21			75.00%	1
22			75.00%	1
23			88.00%	1
24			69.00%	1
				18
				75.00%

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