

Public Information Requirements ACCE Standard Section VIII

I. Construction Management Program Mission & Objectives

The Construction Management Programs mission is to educate, mentor, and inspire students so that each graduate is prepared for a professional career in the construction industry and service to their community.

To support this mission, faculty will prepare graduates of the program to be able to:

1. Create written communications appropriate to the construction discipline.
2. Create oral presentations appropriate to the construction discipline.
3. Create a construction project safety plan.
4. Create construction project cost estimates.
5. Create construction project schedules.
6. Analyze professional decisions based on ethical principles.
7. Analyze construction documents for planning and management of construction processes.
8. Analyze methods, materials, and equipment used to construct projects.
9. Apply construction management skills as a member of a multi-disciplinary team.
10. Apply electronic-based technology to manage the construction process.
11. Apply basic surveying techniques for construction layout and control.
12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
13. Understand construction risk management.
14. Understand construction accounting and cost control.
15. Understand construction quality assurance and control.
16. Understand construction project control processes.
17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
18. Understand the basic principles of sustainable construction.
19. Understand the basic principles of structural behavior.
20. Understand the basic principles of mechanical, electrical, and piping systems.
21. Think critically.

II. Program Admission Requirements

The requirements for admission to the construction management program is the same as the requirements for admission to ECU. The scholastic requirements for full admission are:

All students must have a minimum high school GPA of 2.0 on a 4.0 scale and are expected to meet the college readiness standards in English, Reading, and Math or enroll in courses as directed at the time of registration. Students who do not meet the requirement for full admission may seek enrollment through a Success First Initiative.

III. Program Assessment Measures

The Construction Management Program will measure success in achieving the program objectives by measuring the 20 ACCE Student Learning Outcomes (SLO) plus the 1 student learning outcome common across ECU. These 21 SLOs are:

Graduates of the program to be able to:

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17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
18. Understand the basic principles of sustainable construction.
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20. Understand the basic principles of mechanical, electrical, and piping systems.

Each SLO will be measured by a direct measure consisting of a specific class assignment, exam, or exam question, as identified in the next section. Each SLO will be indirectly measured during a senior exit survey, where seniors are asked to rank achievement of each SLO on a 1 – 5 scale. Each SLO will be measured directly and indirectly every year.

IV. Information Obtained from Assessment Measures and Actions Taken

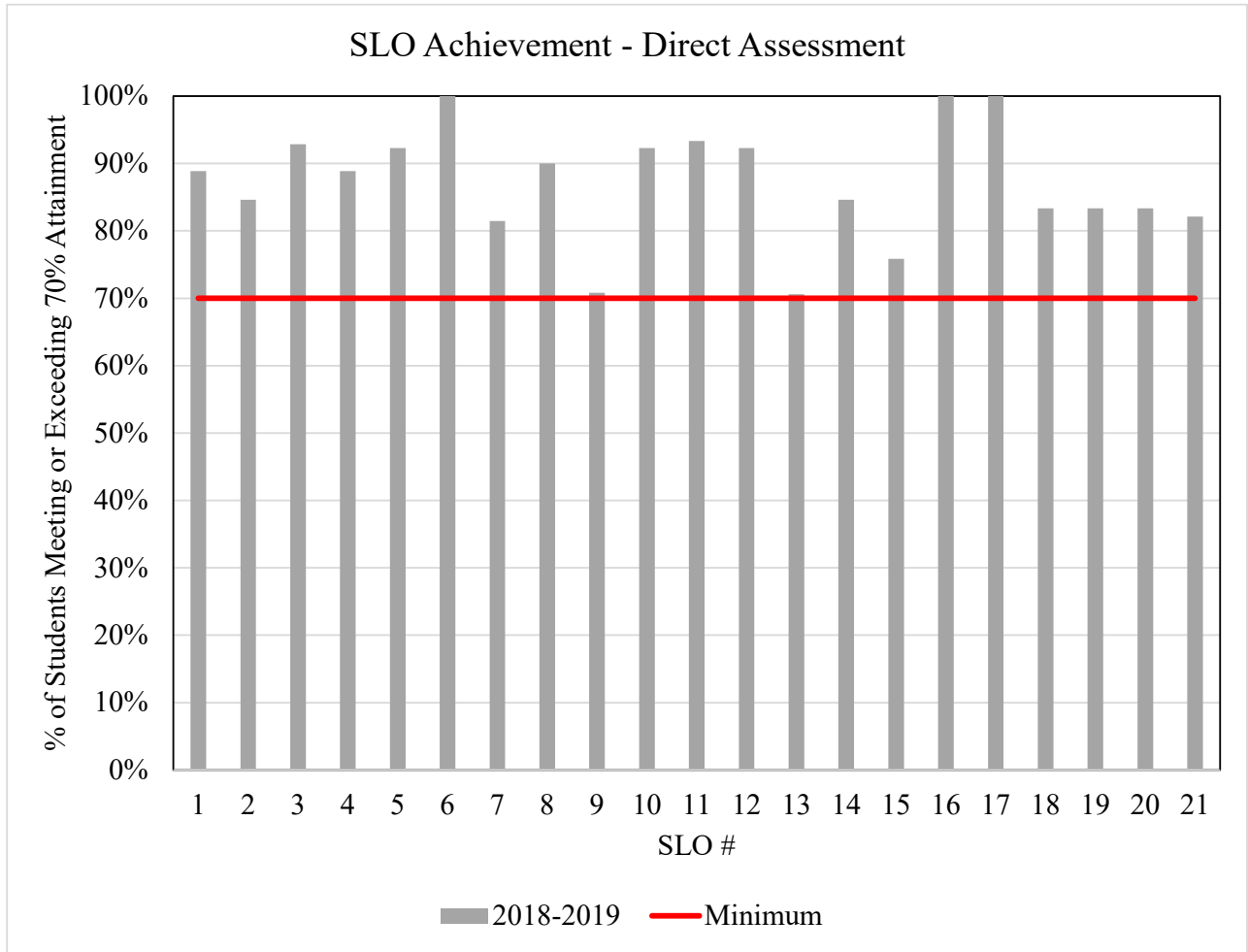
The direct assessment measure for each SLO is provided in Table 4.1. The minimum acceptable level for each direct assessment was determined to be 70% of the students shall achieve a 70% on each measure.

Table 4.1: Assessment Measures for each SLO

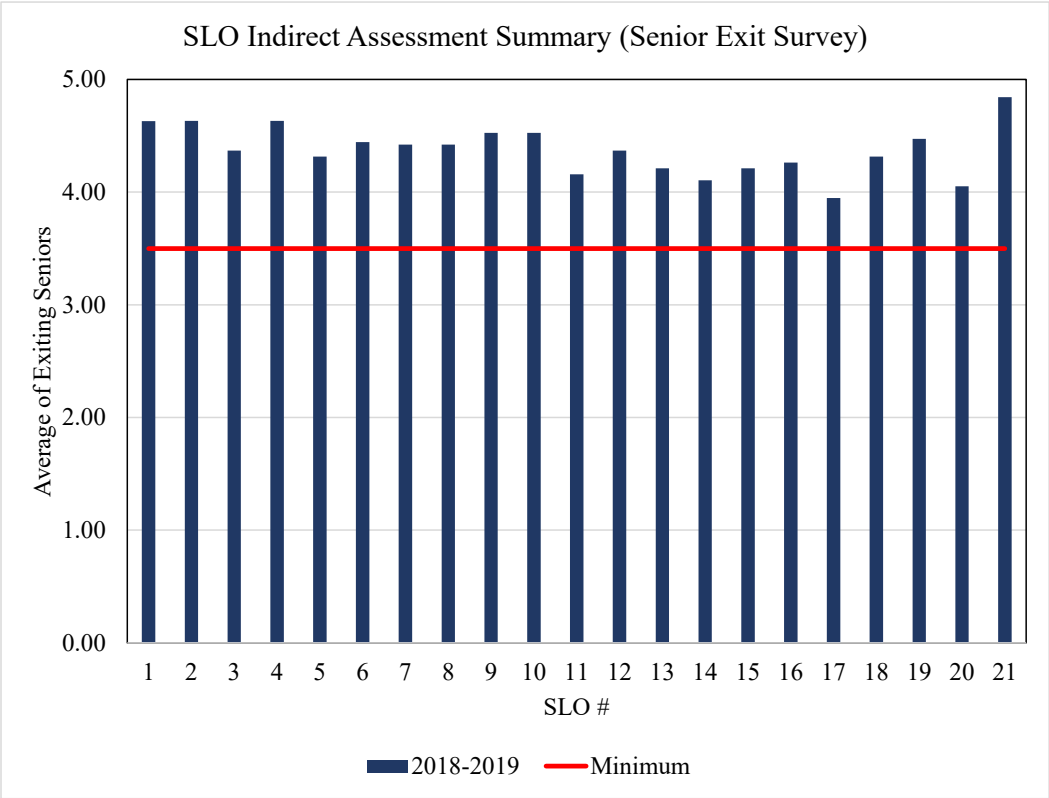
SLO#	Student Learning Outcome	Course	Assessment Method	Type*	Instructor
1	Create written communications appropriate to the construction discipline	CON 325	Assignment - Concrete Bid estimate memo	DA	Sahar Ghanem
		AIC Exam	01 Create Written Communications	IA	COORD
2	Create oral presentations appropriate to the construction discipline	CON 426	Assignment - Project Schedule Defense	DA	Zamaan Al-Shabbani
		AIC Exam	02 Create Oral Presentations	IA	COORD
3	Create a Construction Project Safety Plan	CON 499	Assignment – Create a Safety Plan	DA	Scott Arias
		AIC Exam	03 Create a construction project safety plan	IA	COORD
4	Create construction project cost estimate	CON 325	Assignment - Concrete Estimate Package	DA	Sahar Ghanem
		AIC Exam	04 Create Construction project cost estimate	IA	COORD
5	Create Construction Project Schedules	CON 426	Assignment – Final Project	DA	Zamaan Al-Shabbani
		AIC Exam	05 Create construction project schedules	IA	COORD
6	Analyze professional decisions based on ethical principles	CON421	Assignment - Ethic Issues	DA	Bryan Dyer
		AIC Exam	06 Analyze decisions based on ethical principles	IA	COORD
7	Analyze construction documents for planning and management of construction processes	CON 325	Assignment - Final project	DA	Sahar Ghanem
		AIC Exam	07 Analyze construction documents for planning	IA	COORD
8	Analyze methods, materials, and equipment used to construct projects	CON 307	Assignment - Technical Report Based on Soils Report	DA	Daniel Enz
		AIC Exam	08 Analyze methods, materials, and equipment	IA	COORD
9	Apply construction management skills as an effective member of multi-disciplinary team.	CON 425	Assignment - Business Letter	DA	Zamaan Al-Shabbani
		AIC Exam	09 Apply construction management skills as a team member	IA	COORD
10	Apply electronic-based technology to manage the construction process.	CON 426	Assignment - Resource loaded and leveled schedule in Primavera and Excel	DA	Zamaan Al-Shabbani
		AIC Exam	10 Apply electronic-based technology to manage process	IA	COORD
11	Apply basic surveying techniques for construction layout and control	CON 320	Assignment - Construction Staking Project	DA	Bryan Dyer
		AIC Exam	11 Apply basic surveying technology for layout	IA	COORD
12	Understand different methods of project delivery and the roles and responsibilities	CON 421	Assignment – CM Delivery Methods	DA	Bryan Dyer
		AIC Exam	12 Understand different project delivery methods	IA	COORD
13	Understand construction risk management.	CON 425	Assignment – Combined Risk Management Assignments	DA	Zamaan Al-Shabbani
		AIC Exam	13 Understand Construction Risk Management	IA	COORD
14	Understand construction accounting and cost control	CON 426	Assignment – Cost loaded schedule with report	DA	Zamaan Al-Shabbani
		AIC Exam	14 Understand construction accounting and cost control	IA	COORD
15	Understand construction quality assurance and control.	CON 499	Assignment - QC Plan	DA	Scott Arias
		AIC Exam	15 Understand construction quality assurance and control	IA	COORD

16	Understand construction project control processes.	CON 426	Assignment – Project Controls	DA	Zamaan Al-Shabbani
		AIC Exam	16 Understand construction project control processes	IA	COORD
17	Understand the legal implications of contract, common, and regulatory law to manage a construction project.	CON 425	Assignment – Labor Relations & Laws	DA	Zamaan Al-Shabbani
		AIC Exam	17 Understand the legal implications of contracts	IA	COORD
18	Understand the basic principles of sustainable construction	CON 428	Assignment - Exam	DA	Bryan Dyer
		AIC Exam	18 Understand principles of sustainable construction	IA	COORD
19	Understand the basic principles of structural behavior	CON 322	Exam – Beam Analysis	DA	Daniel Enz
		AIC Exam	19 Understand principles of structural behavior	IA	COORD
20	Understand the basic principles of mechanical, electrical, and piping systems.	CON 324	Exam - Exams 1, 2, & 3	DA	Scott Arias
		AIC Exam	20 Understand principles of MEP	IA	COORD

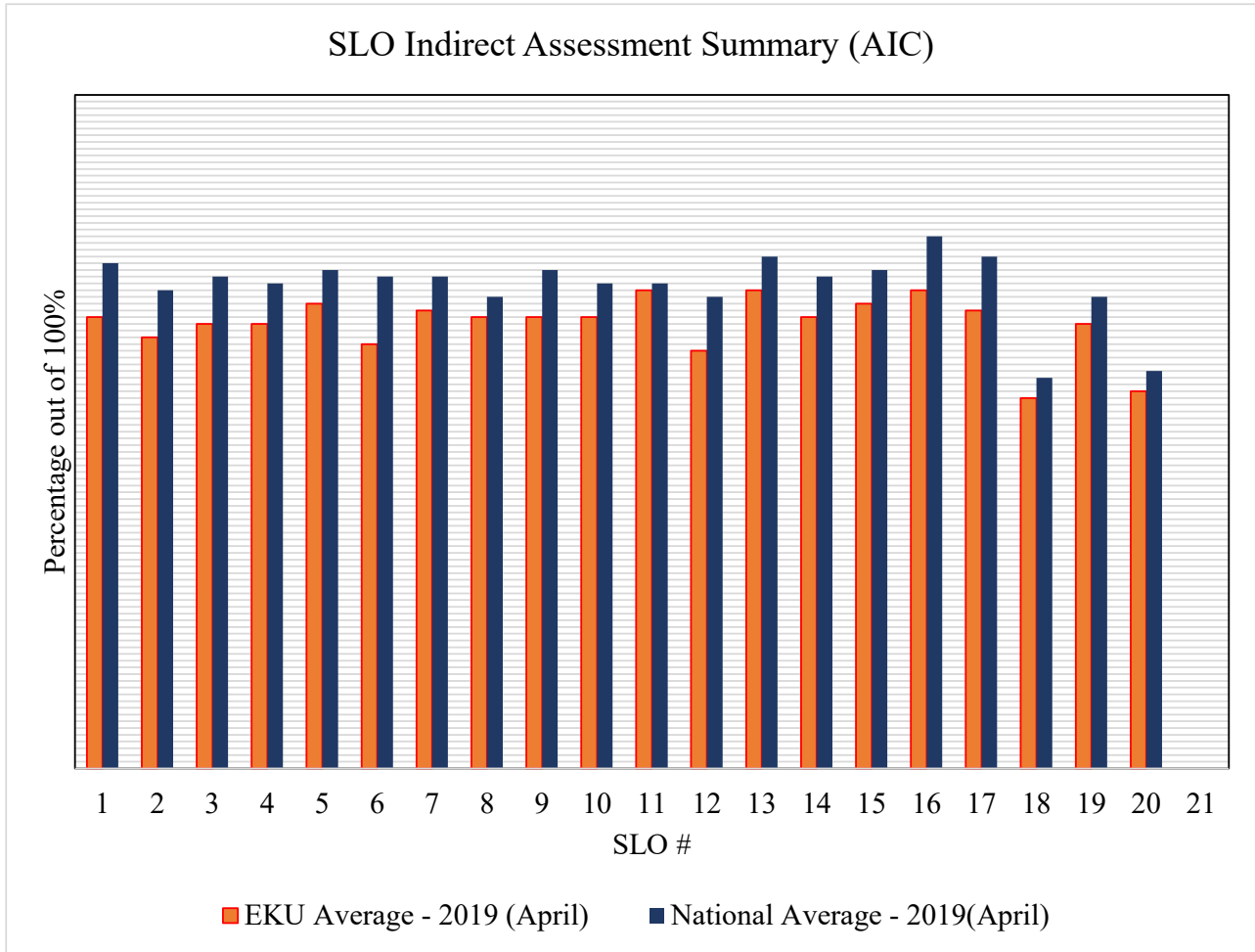
Results of Direct Assessment:



Results of Indirect Assessment: Each SLO was also assessed using a senior exit survey. The minimum acceptable level for the senior exit survey was a 3.5 on a 1 – 5 scale.



Results of Indirect Assessment: Each SLO was also assessed using the AIC Exam. The minimum acceptable level is to meet or exceed the National AIC Exam Average.



V. Student Achievement

- A. 2020-2021 Construction Management's Outstanding Senior – Thomas Fint
- B. 2020-2021 Richard Brooker/Associated General Contractors of Kentucky – Emma Hunley
- C. 2020-2021 AGC Education & Research Foundation Scholarship – Lucy Smith
- D. 2020-2021 AGC Education & Research Foundation Scholarship– Joseph Richardson

VI. Rate and Types of Employment of Graduates

The location, sector, and job title for the graduates from 2018 to 2020 are given in table 6.1

Table 6.1: Location, Sector, and Job Title for 2018 to 2020 Graduates

Location	Sector	Job Title
Richmond, KY	Consulting	Field Technician
Lexington, KY	Commercial	Project Coordinator
Lexington, KY	Commercial	Assistant Site Manager
Richmond, KY	Commercial	Assistant Project Manager
Nicholasville, KY	Consulting	Consultant
Cincinnati, OH	Commercial	Project Engineer
Stanford, KY	Consulting	Surveyor In Training
Lexington, KY	Consulting	Staff Professional
Mount Vernon, KY	Commercial	Superintendent
Cincinnati, OH	Commercial	Project Engineer/Coordinator

Graduates of the Construction Management Program have been hired with the titles of Scheduler, Estimator, Superintendent, Project Coordinator, Project Manager, Project Engineer, Construction Management Superintendent, Site Superintendent, Assistant Construction Manager, Assistant Project Engineer, Safety Coordinator, Production Manager, QC/Plant Technician, Field Technician and Assistant Superintendent.

Companies that have hired graduates are: mechanical contractors, masonry contractors, electrical contractors, residential contractors, design-builders, suppliers, general contractors, construction managers, material testing firms, pipeline testing firms, and home remodelers.

From summer 2018 to spring 2020, the salary range for the graduates who reported their initial salary was \$42,000 - \$70,000. The average estimated income for graduates earning hourly wages and those earning a salary was approximately \$48,000. However, the average for those earning a salary was \$54,400 for that time frame.

VII. Data

The data provided in this document is intended to satisfy the public disclosure requirements of ACCE accreditation, and to show that the Construction Management Program is striving to continually improve and provide graduates who are prepared for a professional career in the construction industry.