

Summary, Fall 2019
Student Learning Objectives

Building Construction Science, Mississippi State University

Eleven of the twenty American Council on Construction Education (ACCE) student learning objectives (SLOs) for the Building Construction Program at Mississippi State University may be assessed. Each of the twenty SLOs must be directly assessed at least twice per six year assessment cycle. The Fall 2019 SLO assessments are summarized in the table below.

	ACCE SLOs	Fall 2018 actions
Studio 5	1. Create written communications appropriate to the construction discipline. Instrument: Contractual & Logistical Exercise Project 7B	Collect project 7B student results. Re-assess Fall 2020
Studio 1	2. Create oral presentations appropriate to the construction discipline. Instrument: Collaborative Project Presentation	Collect collaborative project student results. Re-assess Fall 2020
Studio 3	3. Create a construction project safety plan. Instrument: Safety Plan	100% of students scored 70% or above on final site specific safety plan. Add plan presentation to the class grade rubric. Re-assess Fall 2020.
Studio 3	5. Create construction project schedules. Instrument: Final Project Schedule part	72% of students scored 70% or higher on scheduling final project. Re-assess Fall 2020
Prof Comm	6. Analyze professional decisions based on ethical principles. Instrument: Multiple exam questions.	Collect student results for question #7, exam #1. Re-assess Fall 2020.
Studio 5	7. Analyze construction documents for planning and management of construction processes. Instrument: Project 3B, Preparation of Bids part	82% of students passed the project 11A . Re-assess fall 2022.
Mech-Elec	11. Apply basic surveying techniques for construction layout and control. Instrument: Survey Layout Assignment	Collect layout assignment student results. Re-assess Fall 2020
Prof Comm	12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process. Instrument: Multiple exam questions	Collect student results for question #6, exam #1. Re-assess Fall 2020
Studio 5	16. Understand construction project control processes. Instrument: Project #9	Collect Project #9 student results. Re-assess Fall 2020
Studio 5	17. Understand the legal implications of contract, common, and regulatory law to manage a construction project. Instrument: Project 10-Part 2C	86% passed Project 10, Part 2C. Re-assess in Fall 2020.
Mech-Elec	20. Understand the basic principles of mechanical, electrical and piping systems. Instruments: Chapter 5 Assignment-mechanical; Chapter 3B-Plumbing; and Electrical Layout Assignment	Re-assess the plumbing assignment Fall 2020, still have a 64% pass rate on Sanitary Sewer Drainage and Venting. Collect student results for the piping and electrical assignments. Re-assess fall 2021