

Summary, Fall 2018  
 Student Learning Objectives  
 Building Construction Science, Mississippi State University

For the fall semester of 2018, twelve of the twenty American Council on Construction Education (ACCE) student learning objectives (SLOs) for the Building Construction Program at Mississippi State University were assessed. Each of the twenty SLOs must be directly assessed at least twice per six year assessment cycle. Fall 2018 SLO assessment requirements are summarized in the table below.

	<b>ACCE SLOs</b>	Fall 2018 actions
Studio 5	<b>1. Create written communications appropriate to the construction discipline. Instrument: Contractual &amp; Logistical Exercise Project 7B</b>	Collect project 7B student results. Re-assess Fall 2020
Studio 1	<b>2. Create oral presentations appropriate to the construction discipline. Instrument: Collaborative Project Presentation</b>	Collect collaborative project student results. Re-assess Fall 2020
Studio 3	<b>3. Create a construction project safety plan. Instrument: Safety Plan</b>	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 5	<b>4. Create construction project cost estimates. Instrument: Project 3B-Estimate part</b>	Only 66% of students passed the project 3B Estimate. This SLO will be evaluated in Studio 2. Re-assess in spring 2019.
Studio 3	<b>5. Create construction project schedules. Instrument: Final Project Schedule part</b>	72% of students scored 70% or higher on scheduling final project. Re-assess Fall 2020
Prof Comm	<b>6. Analyze professional decisions based on ethical principles. Instrument: Multiple exam questions.</b>	Collect student results for question #7, exam #1. Re-assess Fall 2020.
Studio 5	<b>7. Analyze construction documents for planning and management of construction processes. Instrument: Project 3B, Preparation of Bids part</b>	Re-assess in fall 2019. Only 66% of students passed the project 3B Preparation of Bids, upgrade rubric.
Mech-Elec	<b>11. Apply basic surveying techniques for construction layout and control. Instrument: Survey Layout Assignment</b>	Collect layout assignment student results. Re-assess Fall 2020
Prof Comm	<b>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</b>	Collect student results for question #6, exam #1. Re-assess Fall 2020
Studio 5	<b>16. Understand construction project control processes. Instrument: Project #9</b>	Collect Project #9 student results. Re-assess Fall 2020
Studio 5	<b>17. Understand the legal implications of contract, common, and regulatory law to manage a construction project. Instrument: Project 10-Part 2C</b>	86% passed Project 10, Part 2C. Re-assess in Fall 2020.
Mech-Elec	<b>20. Understand the basic principles of mechanical, electrical and piping systems. Instruments: Chapter 5 Assignment-mechanical; Chapter 3B-Plumbing; and Electrical Layout Assignment</b>	Re-assess the plumbing assignment Fall 2019, still have a 67% pass rate on Sanitary Sewer Drainage and Venting Piping Systems, Piping materials and installation. Collect student results for the piping and electrical assignments. Re-assess fall 2021