

Summary  
Spring 2021  
Student Learning Objectives  
Building Construction Science  
Mississippi State University

For the spring semester of 2021, two 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. Spring 2021 SLO assessment requirements are summarized in the table below.

	<b>ACCE SLOs</b>	Spring 2020 actions
Studio 2	4. Create construction project cost estimates. Instrument: Midterm concrete take-off	94% of students passed the Small commercial building concrete take-off, spring 2021. To be re-assessed in the spring of 2022.
studio B	8. Analyze methods, materials, and equipment used to construct projects.	86% of students performed adequately on wall and roof systems, spring 2021. Re-evaluate spring 2024.
studio 4	9. Apply construction management skills as a member of a multi-disciplinary team	95% of students performed adequately on the semester project 5. Re-evaluate spring 2024.
studio 4	10. Apply electronic-based technology to manage the construction process.	97% of students performed adequately on the semester NAVIS Works and REVIT projects, spring 2021. Re-evaluate spring 2022.
studio 6	13. Understand construction risk management.	87% of students performed adequately on Project #15, spring 2021. Re-evaluate spring 2024.
studio 2	14. Understand construction accounting and cost control.	70% of students performed adequately on exam projects, spring 2018. Re-evaluate spring 2024.
studio B	15. Understand construction quality assurance and control.	89% of students performed adequately on their final document, spring 2018. <b>Rubric developed Spring 2021, re-assess during spring 2022.</b>
high perf	18. Understand the basic principles of sustainable construction.	94% of students performed adequately on final exam, spring 2018. <b>Rubric developed Spring 2021, re-assess during spring 2022.</b>
structures II	19. Understand the basic principles of structural behavior.	<b>Assessment not completed. Re-assess spring 2022.</b>