

Summary  
Spring 2018  
Student Learning Objectives  
Building Construction Science  
Mississippi State University

For the spring semester of 2018, nine 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 once per six year assessment cycle. The assessment of four of the nine SLOs indicated additional action should be taken either to better develop the assessment rubric and/or to improve instructional material delivery. Spring 2018 SLO assessment requirements are summarized in the table below.

|               | <b>ACCE SLOs</b>  | Spring 2019 actions  |
|---------------|---|--|
| Studio 2      | 4. Create construction project cost estimates. Instrument: Project 3B-Estimate part | <b>Only 66% of students passed the project 3B Estimate, fall 2018 in Studio 5. This SLO will be evaluated in Studio 2. Re-assess in spring 2019.</b> |
| studio B      | 8. Analyze methods, materials, and equipment used to construct projects.            | 86% of students performed adequately on Project #6. Re-evaluate spring 2022.   |
| studio 4      | 9. Apply construction management skills as a member of a multi-disciplinary team    | 95% of students performed adequately on the semester project-presentation. Re-evaluate spring 2022.  |
| studio 4      | 10. Apply electronic-based technology to manage the construction process.           | 95% of students performed adequately on the semester project-programs<br><b>Must add scoring to rubric. Re-evaluate spring 2019.</b>                 |
| studio 6      | 13. Understand construction risk management.  | 94% of students performed adequately on Project #12. Re-evaluate spring 2022.  |
| studio 2      | 14. Understand construction accounting and cost control.                            | 70% of students performed adequately on exam projects Re-evaluate spring 2022.   |
| studio B      | 15. Understand construction quality assurance and control.                          | 89% of students performed adequately on their final document.<br><b>Must add scoring to rubric. Re-evaluate spring 2019.</b>                         |
| high perf     | 18. Understand the basic principles of sustainable construction.                    | 94% of students performed adequately on final exam.<br><b>Must add scoring to rubric. Re-evaluate spring 2019.</b>                                   |
| structures II | 19. Understand the basic principles of structural behavior.                         | 88% of students performed adequately on final exam (test 4).<br>Re-evaluate spring 2022.   |