

# Summary Assessment Report

## Objective 1: Professional Behavior, Awareness of Standards and Readiness to Perform

### Target:

The attached survey aimed to evaluate how students and industry professionals perceive themselves as accomplishing program objectives developed by the Mississippi State Building Construction Science program, specifically in relation to the development of professional behavior, awareness of industry standards, and their readiness to perform at a high level from day one in the workplace.

### Current Cycle Results:

The survey showed an overwhelmingly positive response to the survey questions that were presented to assess the goals of Objective 1. Of all respondents, 88% fell into the *Agree* or *Totally Agree* category of the survey questions when asked if the Mississippi State BCS program helped in the development of professional behavior, awareness of standards and readiness to perform. The average was hurt significantly by one question in which 72% of the respondents felt that the BCS program did not help in developing an understanding of their responsibility of sustainable development of the environment and society.

### Past Cycle Results:

The 2019 survey only asked if BCS graduates “demonstrate an understanding of professional behavior standards and a readiness to perform in the construction industry.” This caused 100% of respondents to respond with *Agree* or *Totally Agree* and little clarity on what skills were developed by the BCS program. The updated survey asks more specific questions with more tangible results allowing for better evaluation of the program as a whole.

### Recommendations/Actions:

Biannually send out the survey to assess and compare current trends in student development. Continue with current trajectory while focusing more time on sustainable development.

# Summary Assessment Report

## Objective 2: Applying Problem Solving Skills and Integrated Knowledge in Interdisciplinary Teams

### Target:

The attached survey aimed to evaluate how students and industry professionals perceive themselves as accomplishing program objectives developed by the Mississippi State Building Construction Science program, specifically in relation to the development problem solving skills and the integrated knowledge necessary to succeed in industry.

### Current Cycle Results:

The survey showed a positive response to the survey questions that were presented to assess the goals of Objective 2. Of all respondents, 86% fell into the *Agree* or *Totally Agree* category of the survey questions when asked if the Mississippi State BCS program helped in the development of problem-solving skills and integrated knowledge in interdisciplinary teams. Respondents felt that the weakest area was the ability to effectively collaborate with team members from different backgrounds and varied skills. Some respondents, 17%, felt that the program neither helped nor inhibited the development of collaboration skills.

### Past Cycle Results:

The 2019 survey only asked if BCS graduates “demonstrate an ability to apply problem-solving skills and integrated technical knowledge with interdisciplinary team environment.” In this survey, 10% responded *Neutral* with most responding *Agree*. This aligns with this year’s data and helps to highlight where the program needs to focus their efforts.

### Recommendations/Actions:

Biannually send out the survey to assess and compare current trends in student development. Find opportunities to bring students together with those of varying skills and educational disciplines so they are able to gain confidence in collaborative skills.

# Summary Assessment Report

## Objective 3: Ability to Communicate

### Target:

The attached survey aimed to evaluate how students and industry professionals perceive themselves as accomplishing program objectives developed by the Mississippi State Building Construction Science program, specifically in the realm of communication abilities and how those skills translated to their time in the industry.

### Current Cycle Results:

The survey showed an overwhelmingly positive response to the survey questions that were presented to assess the goals of Objective 3. Of all respondents, 88% fell into the *Agree* or *Totally Agree* category of the survey questions when asked if the Mississippi State BCS program helped in the development of communication abilities. Respondents felt that the weakest area was participation in group meetings/discussions at 83% saying *Agree* and *Totally Agree*. The respondents felt their strongest area was producing clear, professional project documentation and reports.

### Past Cycle Results:

The 2019 survey only asked if BCS graduates “demonstrate an ability to communicate effectively.” In this survey, only 30% responded *Totally Agree* with 20% responding *Neutral*. This shows significant improvement from 2019 until now and the development of communication skills.

### Recommendations/Actions:

Biannually send out the survey to assess and compare current trends in student development. Continue with current trajectory while focusing more time on group projects and meetings allowing for more confidence in group settings.

# Summary Assessment Report

## Objective 4: Lifelong Learning

### Target:

The attached survey aimed to evaluate how students and industry professionals perceive themselves as accomplishing program objectives developed by the Mississippi State Building Construction Science program, specifically in the realm of lifelong learning and how the skills learned our program translate to the industry

### Current Cycle Results:

The survey showed a positive response to the survey questions that were presented to assess the goals of Objective 4. Of all respondents, 84% fell into the *Agree* or *Totally Agree* category of the survey questions when asked if the Mississippi State BCS program helped in the development of lifelong learning skills. Respondents felt that the weakest area was enthusiasm levels in attending continuation education workshops/trainings/seminars/certifications. Around 30% felt *Neutral* in the graduate's motivation while only 66% felt the *Agreed*.

### Past Cycle Results:

The 2019 survey only asked if BCS graduates “demonstrate a propensity for lifelong learning.” In this survey, 30% responded *Neutral* with 20% responding *Totally Agree*. Showing an overall slight improvement from 2019 until now.

### Recommendations/Actions:

Biannually send out the survey to assess and compare current trends in student development. Encourage students to attend seminars and workshops that will help develop an excitement for their career.