

NAHB Student Competition Associate Degree Programs Rules and Guidelines

Introduction

The NAHB Student Competition was established to give students an opportunity to demonstrate their ability to solve construction-related problems and to compete with other institutions offering an associate degree in residential construction-related majors. Students work on a specific project by completing: a set of working drawings, a detailed material estimate and a complete construction schedule. The proposals are then submitted to a group of construction company executives who act as judges.

Eligibility

Any **NAHB Student Chapter*** at a school that offers an associate degree may compete. The Student Chapter must be in **good standing**** and every competition team member must be an undergraduate student and also be active members of the chapter. Students who graduate in the Fall 2023 semester may compete as team members. No bachelor or higher degree candidates in a related field may participate; however, students pursuing Associate and Bachelor degrees concurrently may participate if they will not have earned more than the number of credit hours required for the Associate degree by the end of the Fall 2023 semester.

**For resources on [How To Start a Student Chapter](#)*

***If unsure of your Student Chapter's status, please reach out to Jontice Small (jsmall@nahb.org), or reach out to your local Home Builders Association.*

Location

International Builders' Show, Las Vegas, Nevada www.buildersshow.com

Timeline

August 18, 2023
October 17, 2023
November 21, 2023
December 5, 2023
December 19, 2023
Feb. 26-27, 2024
February 28, 2024
February 28, 2024

Competition Problem Posted

Registration Due (\$300) <https://awards.nahb.org/>
Team Member List Due <https://awards.nahb.org/>
Last Day to Withdraw from Competition
Projects Due* <https://awards.nahb.org/>
Presentation Dates
Judges' Debriefing (morning, time tbd)
Awards Ceremony (afternoon, time tbd)

**Projects must be submitted by 11:59 P.M. EDT December 19, 2023, or the team will incur a scoring penalty.*

COMPETITION VISION, MISSION, GOALS, AND LEARNING OBJECTIVES

Vision

The NAHB associate degree student competition will be a vehicle for students interested in residential construction to prepare for and get excited about a career in the homebuilding industry by interacting with and learning from industry professionals.

Mission

The mission of the NAHB associate degree student competition is to expose students to a real-life residential construction project. Student teams compete to display their problem-solving abilities by preparing solution documents that include the development of working drawings, a labor and materials estimate and a construction schedule.

Goals

- Expose students to projects that stretch their knowledge and force them to learn independently.
- Use a new project each year from a different geographic location.
- Develop student's written communication skills by creating a written proposal.
- Develop student's critical thinking and problem-solving skills through the creation of a proposal that encompasses multiple disciplines.
- Develop student's oral communication skills as they work in teams and present to a panel of industry professionals.
- Facilitate student interaction with HBAs, and other design and homebuilding professionals.
- Get students excited about and committed to residential construction.

Learning Objectives

- Work effectively in a team.
- Demonstrate the ability to estimate quantities and costs for the bidding process in a construction project.
- Demonstrate the ability to schedule a basic construction project.
- Interpret construction documents (specifications and drawings) used in managing a construction project.
- Identify the fundamentals of codes and regulations that govern a construction project.
- Recognize basic construction methods, materials and equipment.
- Recognize the basic principles of structural design.
- Recognize the basic principles of building systems.

COMPETITION ENTRY

1. **August 18, 2023:** Project description, including project documentation, and other pertinent information available on nahb.org/Competition.
2. **October 17, 2023:** Entry Form due: teams must register an NAHB Awards account through <https://awards.nahb.org/>.
From the drop menus select Student Chapters Awards-Competition Entry and corresponding program.
 - a. \$300 Entry fee (per team), paid by credit card at the time of registration through your NAHB Awards Competition Entry application
3. **November 21, 2023:** Team member list due: log into your NAHB Awards Competition Entry application on <https://awards.nahb.org/> and enter each team member's information.
 - a. Alternates and substitutes are permitted after this date, but the names of these students will not appear in the Program Guide. Contact Sarah Weber at 202-266-8654; StudentChapters@nahb.org to make adjustments to your team roster.

4. In an effort to make the competition as real-life as possible, your team may spend as much time as necessary to prepare your package between the date it is posted online and the date it is due.
5. Each chapter may enter up to two teams in the NAHB Student Competition. If a school has multiple teams, please establish a “Team One” and “Team Two”.
6. **December 5, 2023:** If the team finds it cannot complete the competition project on time, it must submit its withdrawal before this date. If the team does not notify NAHB Student Chapters by this date, the team will not be permitted to participate in the following year’s competition. The NAHB Student Chapters Advisory Board may hear appeals to this ruling no later than the following Midyear Board Meeting. No refunds are given.

TEAM MAKE-UP

1. Each team member must be a member of their school’s NAHB Student Chapter for the current school year.
2. Teams will consist of not more than **five students**. Each team member will assume the responsibility of a member of the management team assigned to solve the problem. Only these five students will work directly on the problem. Teams are allowed one alternate to work on and contribute to the written proposal.
3. If a school enters more than one team, teams must work independently and may not collaborate on the solution of the problem. The intent of the guidelines regarding two teams from the same school is that they function independently and that they compete to win against their classmates as keenly as they compete with all other teams. The teams should not share any files except, possibly, the template for the drawing sheets. All teams must submit complete and different solutions to the problem. **Should the solutions be deemed to be too similar by the judges, all teams representing the school will be disqualified.**
4. Teams may use available resources during the preparation of their proposals, but under no circumstances may any work be outsourced. All work submitted/presented must be produced by the team’s members. Teams may contact suppliers of engineered products (e.g. trusses and I-joists) for design and cost information. The team must still transcribe the necessary details into their drawings and estimates. Don’t just put in a lump sum bid with the supplier’s drawings!

WRITTEN SOLUTION *(See detailed list of requirements in project description)*

1. Areas to Include: Working Drawings, Labor and Materials Estimate, and Construction Schedule.
2. All material should be marked with the name of the team (if more than one team per school) and the name of the school.
3. **All proposals will be submitted electronically via the NAHB Awards portal by creating a Competition Entry application at <https://awards.nahb.org/>.** Ensure that **School Name, not Team Name**, is clear and visible on every page of the electronic proposal. Insert header and/or footer in all documents, listing school name and program level. If a school has two teams participating, clearly designate “Team One” and “Team Two” on the proposal.
4. One (1) copy of the Honor Pledge form per team (found on page 6 of this document) must be included with the proposal. The form must be signed by each team member, including alternates (if any), and coach certifying that the solution of the problem has been the work of only the team members, alternates and other qualified students. Failure to include this document as part of your proposal will be grounds for disqualification.
5. **December 19, 2023, 11:59 PM EDT*:** All proposals will be submitted electronically through your NAHB

Awards Competition Entry application on <https://awards.nahb.org/>.

***Deadline will be strictly enforced. All submissions must be received by this deadline.**

6. Late entries will be penalized 15 points per day. Nothing may be added to the proposals after the due date, including substitutions, corrections, or amendments (nor may they be distributed to judges during the presentation).

QUESTIONS

1. Coaches are encouraged to assist the teams in their preparations. A guide to consider when determining the appropriate level of support is for the coach and any other resource to consider the competition as a test in the classroom and direct the team accordingly. Do not provide answers, rather lead the team and help the students gain the most from the competition by sharing knowledge and experience.
2. **All questions regarding the problem and competition logistics must be posted on the [2024 ASSOCIATE NAHB Student Competition Question Board on Google Groups](#). Please include your school's name in your question.**

PRESENTATION

1. **Feb. 26-27, 2024:** The 2024 Student Competition will be conducted in-person at the Las Vegas Convention Center in Las Vegas, NV. The schedule of presentations will consider team preferences that were selected through your Competition Entry application at the time of team registration. NAHB Student Chapters cannot guarantee a particular time slot. Teams will be notified of the preliminary schedule after the competition entry deadline.
2. Presentation schedules will be strictly followed. The schedule may continue to adjust and change until the date of the competition. NAHB Student Chapters will notify teams of any changes via email.
3. All team members planning to appear on camera during their presentation must sign and return a "Permission to use Video and Waiver of Liability" form. Following the submission of each team's written proposal, please have each team member sign and return the form to Sarah Weber, StudentChapters@nahb.org, or the team will not be permitted to present.
4. Each team will be allowed 10 minutes to set up. The oral presentation will last for a **maximum of 10 minutes**. Following the presentation, the judges will ask questions for **10 minutes**. The presentations will be judged on clarity, accuracy, participation of each team member, and overall conclusion. All presenters should be knowledgeable in all areas of the proposal.
5. Teams must bring to the competition at the International Builders' Show:
 - a. Laptop computer pre-loaded with presentation software
 - b. Adaptors for the projector if using a Mac.
 - c. All audio/visual materials
 - d. Teams may test equipment before the start and at the conclusion of the presentations for the day.
6. In the case of extreme circumstances beyond the team's control (e.g. illness, travel delays) that negatively affect their presentation, teams may appeal to Sarah Weber (sweber@nahb.org) for a second opportunity to present before the judges.

JUDGING

- Each judge will score the written and oral presentations using the attached Grading Summary Report and then rank the teams from highest to lowest. Winners will be determined based on the total of the judges' rankings. The highest-ranking team receives one point, the second highest ranking two points, etc. The team with the least overall points (based on the sum of all the judges' rankings) is the winner. Although each judge may score the teams differently and each team's scores may vary widely, the ranking system, not the scores, determines the competition champion.
- A sample of the Grading Summary Report is included in these guidelines.
- **February 28, 2024:** A "Judges' Debriefing" session will take place following the final presentation. The project sponsor will present their current plans for the project and answer questions from the audience.
- The completed Grading Summary Reports will be sent to the coaches after the competition.

AWARDS

1. Awards will be announced during the Awards Ceremony February 28, 2024.
2. Each participant will receive a Certificate of Participation and a t-shirt.
3. Cash prizes will be awarded to the top placing teams.
4. Plaques will be awarded to teams who place 1st, 2nd, and 3rd place and these teams' winning proposals will be posted online.



NAHB Student Competition Associate Degree Programs Honor Pledge

To the best of my knowledge and belief, the information used in my team’s solution to the competition is in accordance with the rules and guidelines of the NAHB Student Competition. On my honor, I have neither given nor received unauthorized assistance in the completion of this project.

Team (School) Name: _____

Team Members:

Print Name	Signature

Alternate Members (Optional):

Print Name	Signature

Faculty Advisor/Coach:

Print Name	Signature

This form is REQUIRED. Submit one (1) copy per team within your proposal submission.

**NAHB Student Competition
Associate Degree Programs
Grading Summary Report**

SAMPLE

School Name: _____

	Comments	Score	Possible
Working Drawings			15
Labor and Materials Estimate			25
Construction Schedule			20
Construction Management Plan			15
Quality of the Written Proposal Grammar, spelling, appearance, etc.			5
Presentation			20
Penalty for Late Entry	Deduct 15 points per day		
TOTAL			100

Positive: _____

Constructive Criticism: _____

Highest total score awarded to any team: _____