



2021 DESIGN COMPETITION

ASHRAE sponsors design competitions to encourage students to become involved in a profession that is crucial to ensuring a sustainable future for our Earth – the design of energy-efficient HVAC systems. ASHRAE will recognize the outstanding student design projects at the 2022 ASHRAE Winter Meeting scheduled for January in Las Vegas, Nevada, United States of America.

The student design competition guidelines provide enough background information to enable the teams to design or select the HVAC system for the given building. The 2021 student competition focuses on a new building on a higher education campus in Prince George, British Columbia, Canada.

UBC Student Design Team may compete for the following category:

HVAC Design Calculations

For students who have attended 1-2 HVAC courses. Focuses on the design calculations required to provide an energy-efficient design for the facility. Students are required to determine heating and cooling loads, and design the selected HVAC systems for the building, while demonstrating compliance with ASHRAE Standards 55, 62.1, and 90.1

Mentorship and advice will be provided to the team by industry professionals such as local ASHRAE chapter members, or faculty advisors.

There will be three levels of evaluation. Evaluators at all levels will judge the design project reports, not **only** for content, but also for compliance with the competition rules.

May 4, 2021: Entries must be submitted electronically by this date by uploading the entry to the ASHRAE Society FTP site established for this purpose. Your entry will be evaluated by the closest chapter to your school or your Regional Vice-Chair (RVC) for Student Activities.

May 18, 2021: Deadline for local ASHRAE Chapters to forward their selection of the best entry in each category to the Student Activities Regional Vice Chair (RVC).

June 8, 2021: Deadline for local ASHRAE Student Activities Regional Vice Chairs to forward their selection of the best entry in each category to ASHRAE Headquarters for Society judging. Regional Vice Chairs are to download the necessary entries in your region from the ASHRAE FTP site for judging.

Additional information can be found on: <https://www.ashrae.org/communities/student-zone/competitions/2021-design-competition>