ACE Mentor Charlotte
DESIGN COMPETITION AWARDS
PROGRAM

2019 – 2020 School Year

PROGRAM INFORMATION PACKAGE

“What we learn, we learn by doing.”
– Aristotle, Greek philosopher

A PARTNERSHIP PROJECT WITH THE
ACE MENTOR PROGRAM OF AMERICA

2019 - 2020 DESIGN COMPETITION AWARDS PROGRAM
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ACE Mentor Program of America
PROGRAM SPECIFICS

• **Program Schedule:** The annual event is announced in the early fall and officially begins in October, concluding at the ACE Mentor of Charlotte’s Spring Banquet, tentatively scheduled for **May 7th, 2020.** Date will be confirmed closer to the banquet date.

• **Award Approach:** The true goal is to judge the ability of the students to make a reasoned, coherent, well thought out, clear presentations on their team’s design/construction approaches within the project’s objectives and/or constraints, etc.

• **Awards:** The teams are competing for the ACE Cup, which is awarded to the school selected by the judging panel at the conclusion of the Spring Banquet event.

• **National competition:** The challenge below is eligible for the 2019 CIRT National Design & Construction Competition. If you wish to submit for the national competition, please let your mentor know and note that final submissions have an earlier deadline of **March 3rd, 2020.**

DESIGN PROCESS

The following questions are representative of the type of information that would be expected along with the design concepts, renderings, etc. (**Please note:** Jurors will carefully consider your replies to these questions when evaluating your overall project as they work through your BOARDS.)

**Question A:** Define and/or describe the problems/challenges you faced when deciding on the design project you chose to do for the competition.

**Question B:** Thoroughly describe your process, in writing and through visuals (e.g., sketches, renderings, stepped process, before and after, budgets, timelines, workflow, etc.) that specifically and realistically meets the PRECISE or exact nature of the challenge and/or the client goals/needs.

**Question C:** Explain how your design approach is an appropriate, innovative solution that realistically responds to the precise design competition problem. Explain how your design is different from other approaches or processes, if such is the case; and/or meets budgetary constraints, timeline issues or other challenges. (For example, is any part of your project going to be constructed with prefabricated elements?)

**Question D:** Describe any social/ecological or otherwise beneficial qualities of your design solution. (For example, is it a universal design? How? Is it environmentally friendly? Does it use cost-effective or recyclable materials?)

**Question E:** Describe which site you selected and why?

**Question F:** Describe what you learned from this design competition.
2020 Project RFP

NATIONAL PAVILION

The mission of this competition is to create an iconic landmark that reflects, symbolizes, and captures in design and construction materials, methods, and standards the U.S. in the 21st century (for 2020) reflecting its diversity, technological strengths, and security needs. This entry must connect between our history, our present, and our potential future – to display or capture in the “built environment” (including structures, landscaping, building materials, techniques, and overall presentation) the essence of being an American – and all its vitality and freedom.

The proposal must determine the size of the undertaking (both in terms of structures, land use, and access) [Provide before vs. after site development]; as well as provide a CONSTRUCTION timeline and per/sq. foot estimate of the cost of delivering the project. [The cost estimates must be realistic and doable for the resources/financial support likely available]. The winning pavilion should strive to be a catalyst for the promotion of U.S. tourism, investment, business excellence, and a showcase for the quality of life found in the United States.

Minimum Program Requirements

The below requirements represent the minimum building and site elements that must be included as part of your proposal.

- Small Visitor’s Center
  - Gift Shop
  - Large Meeting Room
  - Small Snack Bar
  - Restrooms
  - Building Support Services (Mechanical, Electrical, Plumbing & Fire Protection)
- 40 Parking Spaces Minimum (5 Accessible Spaces)
  - Additional parking can be provided if desired.
Site Locations (Choose 1)

Option 1
10.4 acres located at Independence Park. This was Charlotte’s first public park and is currently in design for a renovation.

Option 2
32.7 acre site located along the Catawba River adjacent to Wilkinson Blvd.
AWARDS PRESENTATION

1. Presentation Boards – 24” x 36”
   a. Maximum of four (4) presentation boards are allowed per school/team.
   b. A digital upload to FTP Site* of your presentation boards is not required prior to the ACE Banquet, but encouraged. It will be due for upload to FTP Site* by May 1, 2020.

The presentation boards must be clear, concise, complete, and well thought out with sufficient and compelling information to stand independently from any written narrative or report. [The judges are looking for clarity, understandability, constructability, completeness, flow of ideas and how the proposed solution realistically and fully meets the challenge].

A brief written explanation describing something about the context and thinking behind the scheme should be included on the board(s). Photographs (of the site, 3D model, etc) may be mounted or scanned on to the displays. No specific drawings or scales are prescribed, but the presentation must convey the ideas underlying the design, its overall forms and spaces, its character and atmosphere.

2. Model (1)
   a. The architectural model should communicate the design ideas of the students. The model is not required to be physical, but needs to clearly communicate the design + construction aspects of the student’s project.
   b. A school/team may produce both a digital and physical model if they desire.

3. PowerPoint Presentation (7 minute maximum)
   b. Order of presentations will be randomly determined in advance and provided.
   c. Teams will be warned at the 7 minute mark and have 30 seconds to close.
   d. There will be no formal Question and Answer session at the end each presentation.
   e. We encourage the number of presenters to be limited, and only have the presenters on stage to help expedite the time between each schools’ presentations.

4. Photos of Students from School Year
   b. High resolution photos in jpeg formats are preferred.
   c. No limit to the number of photos a school/team may upload.

5. Narrative
   a. To be delivered via email to Mellissa Oliver by April 23, 2020. Thur. April 16th, 2020
   b. The narrative should address the site specific design concept, proposed solution and constructability means and methods.
   c. Limit the size to half a page and a single paragraph (approximately 4-6 sentences).
   d. Include a Project Title along with the narrative. Can be a catchy phrase or sentence.
   e. The narrative and title will be printed and provided to each team at the banquet.

ACE Charlotte will print boards for you. If you need more time on your boards, you have the option to get them printed yourselves and bring to the banquet.