

# CREATE

## MENTORING PROGRAM

**CONSTRUCTION | RE-DEVELOPMENT | ENGINEERING | ARCHITECTURE | TRADES | EDUCATION**

*The CREATE Mentoring Program exists to educate and inspire students to pursue career pathways which create the built environment.*

Students will learn about career opportunities in the built environment and complete virtual field trips to industry offices and active job sites as part of CREATE Mentoring Program's 2020 Online Project. Instructors will have the option of scheduling virtual mentoring sessions with industry professionals to further career discussion in an interactive format and to assist students with project deliverables.

### **2020 Online Project**

Nonprofits play an integral part of every society. In the United States, more than 12.3 million people work for a nonprofit (classified by the Internal Revenue Service tax code). Nonprofits provide food services, youth programming, animal shelters, sports and recreation opportunities, education, social programs for vulnerable populations, and much more.

This year's project entails identifying a nonprofit in your community that is in need of either a new building to provide program services, or a substantial remodel of their current building. In order to complete this year's project, eleven deliverable items will be required as outlined below.

Everything you need for the CREATE Mentoring Program can be found online at:  
[www.creatementoring.org](http://www.creatementoring.org).

### **2020 Deliverables:**

Prior to participating, each student must complete the Online Student Registration at [www.creatementoring.org/student](http://www.creatementoring.org/student).

### ***Deliverable 1 (Due September 25, 2020) [Submit Here](#)***

1.1 – Upload Team Name, Team Roster, and Team Member Resumes (one resume for each student on the team). (These will be cross checked with Student Registration)

1.2 – As a team, identify the nonprofit, their location, their mission, and why you chose them. (250-500 words)

1.3 – Complete a client needs assessment/identify the nonprofit's needs for a new or remodeled facility. This information can be gathered from their website or a phone/email interview if someone from their agency has the time and ability to speak with you. This may also be from personal experience if you have been involved with the organization before. One should be submitted per team. (250-500 words)

***Deliverable 2 (Due October 23, 2020) [Submit Here](#)***

***Each deliverable below should be completed as a team.***

2.4 – Architectural Narrative: Describe the architectural design of the organization’s current building and that of the surrounding area. This may be discovered using Google or Bing Maps Street view if you are not able to complete a visit of the location. Are certain design elements required of any new construction in order to compliment the surrounding buildings? Please submit at least two photos with your narrative. (100-250 words)

2.5 – Upload your design documents (in .pdf or .jpg format). These design documents should be of 1) your designed new schematic floor plan of the entire building, 2) either an exterior elevation of the building OR an interior elevation of one room, and 3) one cut section of the building (determined by you). Design documents can be completed by hand, but preferred to be done using SketchUp, Bluebeam, or other design programs. Links to tutorials on these programs are available at [www.creatementoring.org](http://www.creatementoring.org).

2.6 – Upload your schematic-level engineering plans (in .pdf or .jpg format) for one level (if your building is multi-level) for a system of your choosing. This could be mechanical, electrical, plumbing, or structural plans. Plans should show primary components that would typically be shown at a schematic level. For example, HVAC plans would show primary duct locations, structural plans would show primary structural members (beams and columns), etc.

2.7 – Complete the engineering scavenger hunt available at [www.creatementoring.org](http://www.creatementoring.org). You will be required to access the Student Online Plan room (login information will be provided after completing the Student Registration Form) in order to complete the scavenger hunt.

***Deliverable 3 (Due November 25, 2020) [Submit Here](#)***

3.8 – Submit a review of two virtual field trips per student. Each review is to be 100-250 words. Please combine all student reviews into a single document for upload.

3.9 – Complete one Career Q&A Quiz per student. Career videos and quizzes are available on the website.

3.10 – Complete a physical model which does not exceed 2’ x 2’ x 2’ in size per team. The model may be of: The exterior of the building, an interior room, or an engineered interior system.

3.11 – Submit one video showing your team’s physical model. The video should be 60 seconds or less and include all student names, your school(s), selected nonprofit, a description of your physical model, and images from all four sides.

***Extra Credit (Due November 25, 2020)***

EC – Upload your video to Facebook, Instagram, Twitter, YouTube, and/or LinkedIn. One bonus point will be awarded for each platform (up to five points total) which your video is uploaded and tags the Construction Industry Education Foundation and your school name. Videos may be uploaded using a school, teacher, or personal social media account.

Criteria:

This competition is open to all high school students residing in the United States. Submissions must be delivered as a team of two or more students (no maximum number). Schools may have multiple teams competing. Prizes will be awarded to the first and second place schools. One or more Honorable Mentions may be awarded. If teams are made up of students from multiple schools the awards will be split proportionally.

First Prize: \$2,500

Second Prize: \$1,000

Honorable Mention: \$500

In addition, a monetary donation of \$1,000 will be made in the name of the First Place Team to the nonprofit they chose for this project.

Winners will be announced the week of December 7, 2020.

Scoring:

1.1	Registration/Roster/Resumes	10 points
1.2	Nonprofit Narrative	5 points
1.3	Client Needs Assessment	10 points
2.4	Architectural Narrative	10 points
2.5	Design Documents	15 points
2.6	Engineering Plans	5 points
2.7	Engineering Scavenger Hunt	10 points
3.8	Office & Job Site Visit Reviews	10 points
3.9	Career Q&A Quiz	5 points
<u>3.10/3.11</u>	<u>Physical Model &amp; Video</u>	<u>20 points</u>
TOTAL		100 points
Extra Credit	Social Media	Up to 5 points

Scholarships:

Seniors pursuing a career in the built environment (architecture, engineering, construction management, or the trades) through direct hire, apprenticeship programs or post-secondary education including two and four-year universities are eligible to apply for the CREATE Mentoring Program Scholarship through November 2, 2020. You can find additional details and the application on our website.

CREATE Summer Camp Scholarships:

Current sophomores and juniors in the 2020-2021 school year are eligible to apply for a \$1,250 scholarship towards attending the 2021 CREATE Summer Camp (to be hosted July 18-23, 2021). The CREATE Summer Camp is a six-day, five-night program that introduces students to careers in construction, re-development, engineering, architecture and the trades. Students will design and build a project for a local nonprofit, complete a needs assessment, meet industry executives, tour active job sites, explore Sacramento and San Francisco, and stay at CSU, Sacramento. Applications for Summer Camp Scholarships are available on our website and are due November 2, 2020.

Questions:

Requests for Information (RFIs) regarding this year's project will be answered on a rolling basis and must be submitted no later than 7 days prior to the respective Deliverable Due Date. RFIs may be submitted at [www.creatementoring.org](http://www.creatementoring.org). Answers to RFIs will be also be available on that webpage.

For general questions on the CREATE Mentoring Program, please contact Katie Carbone at [kcarbone@cie.foundation](mailto:kcarbone@cie.foundation).

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