



Scholarship Opportunity Overview Associated Builders and Contractors, Baltimore Metro Chapter

- What:** Scholarship up to \$5,000
- Who:** Female high school and college students planning to pursue construction related fields of study in post-high school education are eligible to apply.
- When:** The application is due June 30, 2017.
- How:** Submit a creative design plan as detailed in Options 1 or 2 and complete the form on Page 5.
- Why:** To encourage young women to pursue career paths in the construction field.



2017 Women in ABC Scholarship Application

Design/Build Challenge

Women in ABC, a committee of women members of Associated Builders and Contractors Baltimore intends to award up to a Five Thousand Dollar (\$5,000.00) scholarship to a young woman interested in pursuing a career in construction. Two options are provided for the scholarship application process.

Option 1

This option will be based upon a design competition emphasizing sustainability and creative use of materials to expand their lifecycle. The actual design and construction of a project of your choice must be based upon and then built completely with *recycled, reused, or reusable materials* that served or will serve another purpose before and/or after their use in your project. For example: divert products from the waste stream or collect new or used items to be donated to a charity after utilizing them.

Provide a description of the process you will use to complete this construction project. ***Do not complete the actual construction of the project as part of this entry.*** In order to receive the scholarship award, the winning design recipient must execute and construct the project in an open location setting (i.e. school, church, community association, etc). The winner is responsible for obtaining permission to do the build at the chosen location. Your designed construction project can be large or small – but creativity is paramount. Please provide a written response to each aspect of the process listed below.

Instructions:

The following represents some of the steps involved in each and every construction project. See Page 6 for explanations of these terms. Please review these items and provide a written, detailed description of how they relate to your proposed project:

DESIGN

Design must be completed using a graph paper/CADD type method. Please design your project on graph paper showing all four sides in elevation and describe how you determined what materials will be used and the calculations of quantities of each.

PROCUREMENT

Please provide a listing, or estimate, of the quantities of the different materials you used and the means by which you intend to procure the materials (by purchase, collection drives, donations, fund raisers or the like).

CONSTRUCTION/TEAM BUILDING

Please describe the means by which you would select your team, the leadership steps you need to complete to construct your project, how you determine your "site"/project location and any challenges you anticipate encountering when constructing the project.

COMMISSIONING/PROJECT TURNOVER

Please describe how, if you are the awarded winner, you would determine the best way to dispose of the materials by donation or recycling, how you intend to demolish the project and how the materials will be transported thereafter.

WHAT DID YOU LEARN FROM THIS PROCESS

Please describe your challenges, how you overcame them and whether or not this process has increased or decreased your interest in pursuing a career in our exciting industry.

Option 2

This option will be based upon a BIM or other software application design competition emphasizing sustainability.

Instructions:

The following represents some of the steps involved in each and every construction project. See Page 6 for explanations of these terms. Please review these items and provide a written, detailed description of how they relate to your proposed project:

DESIGN

Design must be completed using BIM or other design software application. Please design your project showing all four sides in elevation and describe how you determined what materials will be used and the calculations of quantities of each.

WHAT DID YOU LEARN FROM THIS PROCESS

Please describe your challenges, how you overcame them and whether or not this process has increased or decreased your interest in pursuing a career in our exciting industry.

Your written materials and application will be judged on your design and hypothetical implementation process – a creative, challenging project will be the winner of this scholarship! Thinking outside of the box is mandatory.

The deadline for submitting the written description of your proposed project is June 30, 2017.

Entries are to be submitted in notebook form to:

Women in ABC Scholarship Committee
c/o ABC Baltimore Metro Chapter
Attn: Ally D'Ovidio
1220B E. Joppa Road, Suite 322
Towson, MD 21286
410-821-0351

Please be certain to include the following in your submission:

Applicant Information

Student Name: _____

Address: _____

School & Grade or Year: _____

Principal or Program Director's Name: _____

Principal or Program Director's Phone Number: _____

Email Address: _____

Phone Number: _____

Please include your resume and transcripts as part of this application.

Explanations

DESIGN - a project must be designed before it can be built. Design includes both the architectural elements which determine how the project will look as well as the structural elements which determine if the design will support itself.

PROCUREMENT - to complete your design you will need a fixed quantity of all of the materials which make up your final design. Sizes as well as quantities must be calculated and the materials “purchased,” collected or donated for your project.

CONSTRUCTION/TEAM BUILDING - construction projects are completed by a team headed by the Project Manager (you as the scholarship applicant).

COMMISSIONING/PROJECT TURNOVER - once a construction project has been completed, it is turned over to an Owner whose personnel are trained to use the completed building. In your case in lieu of turning over the building to an owner, the materials are to be donated or recycled appropriately.