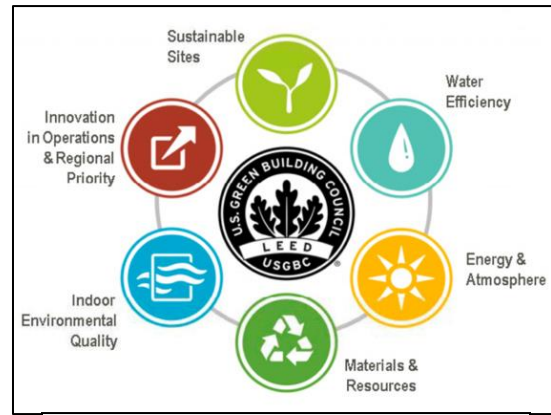


LEED RESEARCH

Advanced Design Applications

LEED stands for Leadership in Energy and Environmental Design (**LEED**) and is a rating system devised by the United States Green Building Council (USGBC) to evaluate the environmental performance of a building and encourage market transformation towards sustainable design.

There are six different categories in LEED. Find out what they are, and what it takes to be certified in each category. Some of these requirements are for the building, some are for the site. Ultimately, what you will be doing is using this information to design a home and site that is LEED certified.



<https://www.calendar.niu.edu>

While researching, take notes on what you have found. Write a one page paper detailing your findings. This can be hand written, or typed on the computer, and printed (preferred). Each student is to do this part on their own.

After completing your research and paper, design a home and property that meets the LEED requirements. This design should include various drawings of different parts – like walls, roofs, surrounding yard, etc. and should also include notes to explain the design. The home itself does not have to be too detailed, but a certain level of detail is necessary. For instance, using energy efficient appliances, saving energy in other ways, generating energy, using sustainable materials, etc. You can do this with a partner, if you like, or you can do this on your own. There will be no groups larger than two!

You will be graded on the notes you take, the paper you write, and the design of the home and site.