

Energy Efficient House Scaled Model.

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Students will be asked to create scale models for two house designs at two location. Two locations with hot and cold climates will be given to students and requirements for a house size.

Literature review will be needed to identify the major components of energy efficient houses and how these can be implemented for the given problem.

The students will need to create energy efficient house designs at these locations. This will include, creating specifications with materials, devices, plans, and construction procedures. Heat transfer, HVAC, heating/cooling sources, controls and construction materials will be significant areas.

Project would be ideal for CVE, MAE and possibly ECE (controls) students.