International Energy Conservation Code (IECC)
(minimum Requirements)

Kane County is in Zone 5 IECC TABLE 402.1.1

I. FENESTRATION U-FACTOR 402.1.1
     A. Windows 0.35
     B. Skylights 0.60

II. CEILINGS 402.2
     A. R-38 with Attic Space
     B. R-30 with Attic Space and oversized trusses
     C. R-30 without Attic Space limited to 500 square feet
     D. All sprayed insulation must have a "Certificate of R-Value" submitted to the Building Inspectors Office

III. UNDER FLOORS 402.2.5
     A. R-30
     B. R-19 may be permitted if insufficient space
     C. ALL insulation must be in contact with the floor at all times

IV. BASEMENTS 402.2.6
     A. To be unconditioned floor above must be insulated
     B. Conditioned walls must be insulated with R-13 in Cavity or R-10 Continuous. Insulation to run from top of wall to 10 feet below grade or to the basement floor.

V. SLAB-ON-GRADE 402.2.7
     A. R-10 shall extend downward from the top of the slab on the outside or inside of the foundation wall. Shall extend 24" by any combination of vertical insulation, insulation extending under the slab or insulation extending out from the building. Insulation extending away must be protected by min of 10" of soil.
     B. Insulation at top edge between exterior wall and interior slab may be cut at a 45 degree angle away from exterior wall.

VI. CRAWLSPACE 402.2.8
     A. Unconditioned floor above must be insulated
     B. Conditioned allowed with no vents to outside with the following conditions:
          1. Vapor Barrier cover ground with 6" overlapped and sealed, extend up exterior wall min. 6" and all penetrations sealed.
          2. R-10 continuous, R-13 cavity on walls permanently fastened and extending downward from the floor to the finished grade level and then vertically and/or horizontally for at least an additional 24 inches.
          3. And one of the following: R408.3
               A. Continuously operated mechanical exhaust ventilation at a rate equal to 1 cfm for each 50 ft sq. of floor area.
               B. Conditioned air supply sized to deliver at a rate equal to 1 cfm for each 50 ft sq of area.