The Center for Engineering and Computer Science is a high-performance mixed-use building, including research labs, teaching labs, classrooms, a parking garage, and a large atrium. The building employs numerous energy conservation measures, including: reduced lighting, heat recovery of laboratory exhaust with Konvekta, cascading ventilation, chilled beams, radiant heat, Aircuity and hood sash sensing equipment. Predicted site energy use is 76.1 kBTU/sf/yr, which is 55% less than baseline, and 79% less than the AIA 2030 benchmark.

The project is registered with LEED v3 for New Construction. The design emphasizes energy and water efficiency, demonstrating 6 points for Water Efficiency and 18 points for Optimize Energy Performance. The project anticipates LEED Gold, with 65 points.