

CARNEGIE MELLON —ARCHITECTURE



Testing for Home Performance

48-752: Zero Energy Housing
Units: 9
Instructor: Nina Baird

For the first time in US history, the 2024 building energy code will require renewable energy for new buildings. Designing zero energy multifamily housing, however, requires a deeper understanding and skill set than installing renewable energy. 48-752 is a graduate level course that explores passive and active systems that can be integrated for zero energy performance. Through lectures, case study research, and an applied multifamily affordable housing project, you will study the design approaches, codes, policy, technology, and energy infrastructure that support net zero or carbon neutral performance.

