A fundamental premise of sustainable landscape planning and design is the integration of the anthropocentric and biocentric environments. Dependent upon the functioning of natural systems sustainable landscape technologies can take the form of mimicry, modeling, restoration, regeneration and mitigation. In all cases however, such systems included cyclical processes such as the carbon, hydrologic or nutrient cycling and move away from the traditional “build-use-discard” process associated with traditional development.

The overarching goal of this course is to create an understanding of how technological development and natural systems can be synergistic. Students will visit sites within the New York - New Jersey metropolitan area to develop an understanding of several new technologies that target issues surrounding land, water and energy conservation. A capstone project will give the student an opportunity to apply the course material to a site of their choosing.