Architectural Engineering Program Outcomes
Students graduating with a BS in Architectural Engineering will attain the following outcomes:

1. A working knowledge of the fundamentals of mathematics, physics and chemistry,
   including advanced subjects that further the learning of specific architectural engineering
   areas.
2. The ability to design and conduct experiments, to gather and analyze data as well as apply
   the results to address architectural engineering problems.
3. The ability to design a building system, component or process that meets desired needs
   within realistic constraints such as sustainability, economics, functionality, health and
   safety, and constructability.
4. Understanding of the building design process and the ability to develop engineering
   design solutions which include multidisciplinary aspects within architectural constraints
5. Achieving the design level in one of the four architectural engineering areas, the
   application level in a second area, and the comprehension level in the remaining two
   areas.
6. The ability to use the techniques and engineering tools necessary for engineering practice.
7. The broad education necessary to understand the impact of engineering solutions in a
   global, political, environmental and social context.
8. Preparation for architectural engineering practice, including its technical, professional, and
   ethical components.
9. Understanding of the options for careers and further education, and the educational
   preparation necessary to pursue those options.
10. The recognition of the need for and an ability to engage in lifelong learning.
11. An ability to function on and collaborate within multi-disciplinary teams.