

Outcomes of Architectural Engineering Program

Code	ABET	Program / Student Outcome (SO) Student at the end of the program should be able to
SO1	3a	Identify and apply knowledge of mathematics and sciences and engineering in architectural engineering problems
SO2	3b	Design and conduct experiments, as well as to analyze and interpret data required for solving architectural engineering projects
SO3	3c	Design optimum system/component of architectural engineering facilities/infrastructures to meet desired needs using realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
SO4	3d	Function effectively in multi-disciplinary construction project/architectural engineering teams
SO5	3e	Identify, formulate, and solve architectural engineering problems and to evaluate and synthesize information in order to provide best alternative solutions
SO6	3f	Act professionally and ethically and recognize the impact of liability issues in architectural engineering projects and constructions

SO7	3g	Communicate effectively prepare professional written materials, graphical communications and deliver professional oral and written presentations
SO8	3h	Recognize the broad education necessary to understand the impact of engineering solutions to economic, environmental and society and to improving quality of life
SO9	3i	Recognize the need in life-long learning and to engage in continuing education of professional/engineering skills
SO10	3j	Recognize the knowledge of contemporary issues in planning, designing, constructing, and rehabilitating architectural engineering infrastructures
SO11	3k	Use techniques and skills using modern engineering methods and tools needed in architectural engineering practices