

Program Curriculum satisfies Program Specific Criteria of ASCE

American Society of Civil Engineering (ASCE) has defined following program specific criteria with regards to the curriculum and faculty. Following tables shows that how the various courses of the program and identified PO satisfies this criteria.

Program specific criteria identified by ASCE		PO	Courses
Curriculum (The program must demonstrate that graduates can:)	Apply knowledge of mathematics through differential equations, calculus-based physics, chemistry, and at least one additional area of science, consistent with the program educational objectives;	a	<ul style="list-style-type: none"> • Engg. Mathematics-1 (BTAM-101) • Engg. Mathematics-2 (BTAM-102) • Engg. Mathematics-3 (BTAM-301) • Engg. Physics (BTPH-101) • Engg. Chemistry (BTCH-101) • Communicative English (PTHU 101) • Fundamentals of Computer Programming and IT (BTCS 101)
	Apply knowledge of four technical areas appropriate to civil engineering; conduct civil engineering experiments and analyze and interpret the resulting data; design a system, component, or process in more than one civil engineering context;	a, b, c, e, i, j, l, k	<ul style="list-style-type: none"> • Laboratory work • Project Work • Survey Camp • Theory courses (Structural Engineering, Geotechnical Engineering, Water Resources Engineering, Fluid Mechanics, Environmental Engineering, Surveying, Transportation Engineering)
	Explain basic concepts in management, business, public policy, and leadership; and explain the importance of professional licensure.	d, f, g, j, k, l	Theory courses (Professional Practice, Human Values and Professional Ethics, Principle of Economics & management)
Faculty	The program must demonstrate that faculty teaching courses that are primarily design in content are qualified to teach the subject matter by virtue of professional licensure, or by education and design experience.	a to l	All faculty members of the department provides technical services/advice in the field of structural engineering, geotechnical engineering, highways, surveying, environmental engineering through Testing & Consultancy Cell of the college, thereby possesses adequate experience to deliver and correlate the field problems with the content delivery. These people are responsible for teaching the design courses of the program.
	The program must demonstrate that it is not critically dependent on one individual.		