

Mapping of Courses to Applicable Program Outcomes (ME)

Mechanical Engineering	Ability to apply mathematics, science, and engineering	Ability to design and conduct experiments, as well as to analyze and interpret data	Ability to design a system, component, or process to meet desired needs	Ability to function on multi-disciplinary teams	Ability to identify, formulate and solve engineering problems	Understanding of professional and ethical responsibility	Ability to communicate effectively	Broad education necessary to understand the impact of engineering solutions in a global and societal context	Recognition of the need for, and an ability to engage in life-long learning	Knowledge of contemporary issues	Ability to use the techniques, skills, and modern engineering practices necessary for engineering	Apply principles of engineering, basic science, and mathematics (including multivariate calculus and differential equations) to model, analyze, design, and realize physical systems, components or processes.	Work professionally in both thermal and mechanical systems areas.
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(aa)	(bb)
COURSE	ALL ENGINEERING PROGRAMS OUTCOMES											MECHANICAL ENGINEERING PROGRAM OUTCOMES	
ME 101	X			X		X			X				
ENGR 112	X				X						X		
ENGR 248	X						X				X		
ENGR 212	X												
ENGR 213	X												
ME 250											X		
ME 311					X								
ME 312	X		X		X								X
ME 316	X											X	
ME 317					X							X	X
ME 331					X								X
ME 332					X								X
ME 382			X	X	X					X	X	X	
ME 383	X					X	X		X	X			
ME 451		X					X				X		X
ME 373					X						X		
ENGR 321	X				X					X		X	
ENGR 322		X					X						
ME 418 / ME 419			X	X		X	X	X	X			X	X
ME 430	X		X		X				X	X	X		X