

EP-Electrical Engineering, Program Educational Objectives

EP-ES PEO	Student Outcomes												
	a	b	c	d	e	f	g1	g2	h	i	j	k	IE
PEO 1	x	x	x		x				x			x	x
PEO 2			x	x		x	x	x					
PEO 3									x	x	x		

Program Educational Objectives (PEO) for Engineering Physics-Electrical Engineering

Graduates of Engineering Physics-Electrical Engineering will be able to:

1. Practice technical competency as professionals in electrical engineering or related fields.
2. Advance to positions of greater responsibility through individual effort and/or teamwork.
3. Sustain professional development and/or pursue advanced degree.

Student Outcomes (SO) for Engineering Physics-Electrical Engineering

Graduates of Engineering Physics-Electrical Engineering will:

- (a) Be able to apply knowledge of mathematics, science, and engineering.
- (b) Be able to design and conduct experiments, as well as to analyze and interpret data.
- (c) Be able to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.
- (d) Be able to function on multidisciplinary teams.
- (e) Be able to identify, formulate and solve engineering problems.
- (f) Be able to demonstrate an understanding of professional and ethical responsibility.
- (g1) Be able to communicate effectively in oral form.
- (g2) Be able to communicate effectively in written form.
- (h) Have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
- (i) Recognize the need for and have an ability to engage in life-long learning.
- (j) Be able to demonstrate a knowledge of contemporary issues.
- (k) Be able to use the techniques, skills, and modern engineering tools necessary for engineering practice.
- (IE) Be able to apply probability, statistics, and advanced mathematics to solve electrical engineering problems.