

## Program Learning Outcome of the Curriculum Doctor of Engineering in Electrical and Computer Engineering

Program Learning Outcomes of Doctoral Program (Doctor of Engineering in Electrical and Computer Engineering)

Plan 1.1 and 1.2	
Specific PLOs	
1.	Analyze advanced and complex phenomena in Electrical and Computer Engineering by referring to in-depth theories in Electrical and Computer Engineering
2.	Criticize, analyze, and find reasons to explain relationships between complex research experimental results and advanced theory in Electrical and Computer Engineering
3.	Apply advanced STEM knowledge (science, technology, engineering, and mathematics) for solving complicated industrial problems in Electrical and Computer Engineering
4.	Design and build tools for solving complicated industrial problems in Electrical and Computer Engineering, including conducting research toward creating new knowledge that is applicable and following safety principles and relevant industry standards
5.	Conduct research toward innovating new referenceable knowledge and write research articles in Electrical and Computer Engineering
Generic PLOs	
6.	Demonstrate self-reliance, independent thinking, critical thinking, and project management skills for defining and solving specific problems in Electrical and Computer Engineering
7.	Demonstrate skills in interpersonal communication conveying advanced techniques or novel ideas and presenting works in Electrical and Computer Engineering to the public
8.	Synthesis contents in international academic books, documents, and research articles in Electrical and Computer Engineering
9.	Indicate and show good attitude and professional ethics in Electrical and Computer Engineering and research conduct