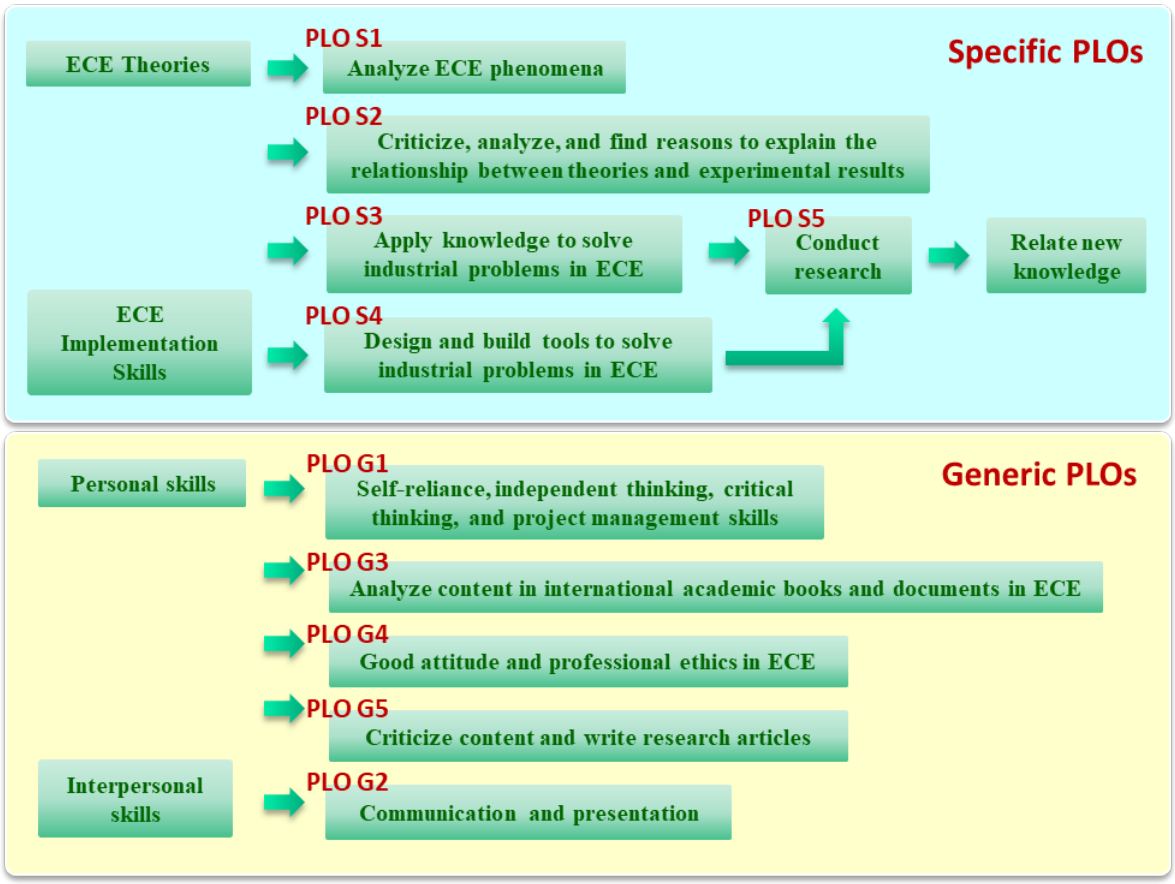
Program Learning Outcome of the Curriculum
Master of Engineering in Electrical and Computer Engineering

Program Learning Outcomes of Master Program (Master of Engineering in Electrical and Computer Engineering)

Plan 1.1 and 1.2
Specific PLOs
S1. Analyze phenomena in Electrical and Computer Engineering by referring to in-depth theories in Electrical and Computer Engineering
S2. Criticize, analyze, and find reasons to explain relationships between experimental results and advanced theory in Electrical and Computer Engineering
S3. Apply advanced STEM knowledge (science, technology, engineering, and mathematics) for solving industrial problems in Electrical and Computer Engineering
S4. Design and build tools for solving industrial problems in Electrical and Computer Engineering, following safety principles and relevant industry standards
S5. Conduct research toward relating new knowledge in Electrical and Computer Engineering
Generic PLOs
G1. Demonstrate self-reliance, independent thinking, critical thinking, and project management skills for defining and solving specific problems in Electrical and Computer Engineering
G2. Demonstrate skills in interpersonal communication and presenting work in Electrical and Computer Engineering to the public
G3. Analyse content in international academic books and documents in Electrical and Computer Engineering
G4. Indicate and show a good attitude and professional ethics in Electrical and Computer Engineering
G5. Criticize content in research articles and write research articles in Electrical and Computer Engineering

Plan 2
Specific PLOs
S1. Analyze phenomena in Electrical and Computer Engineering by referring to in-depth theories in Electrical and Computer Engineering
S2. Criticize, analyze, and find reasons to explain relationships between experimental results and advanced theory in Electrical and Computer Engineering
S3. Apply advanced STEM knowledge (science, technology, engineering, and mathematics) for solving industrial problems in Electrical and Computer Engineering
S4. Design and build tools for solving industrial problems in Electrical and Computer Engineering, following safety principles and relevant industry standards
Generic PLOs
G1. Demonstrate self-reliance, independent thinking, critical thinking, and project management skills for defining and solving specific problems in Electrical and Computer Engineering
G2. Demonstrate skills in interpersonal communication and presenting work in Electrical and Computer Engineering to the public
G3. Analyse contents in international academic books and documents in Electrical and Computer Engineering
G4. Indicate and show a good attitude and professional ethics in Electrical and Computer Engineering


Specific PLOs
ECE Theories
PLO S1
Analyze ECE phenomena
PLO S2
Criticize, analyze, and find reasons to explain the relationship between theories and experimental results
PLO S3
Apply knowledge to solve industrial problems in ECE
PLO S5
Conduct research
Relate new knowledge
ECE Implementation Skills
PLO S4
Design and build tools to solve industrial problems in ECE
Generic PLOs
Personal skills
PLO G1
Self-reliance, independent thinking, critical thinking, and project management skills
PLO G3
Analyze content in international academic books and documents in ECE
PLO G4
Good attitude and professional ethics in ECE
PLO G5
Criticize content and write research articles
Interpersonal skills
PLO G2
Communication and presentation