Study Program	Chemical Engineering
Educational Level	Undergraduate Program

EXPECTED LEARNING OUTCOME		
Attitude	1	Able to demonstrate attitudes and characters that reflect: devotion to God Almighty, ethics and integrity, noble character, sensitive and concerned about social and environmental problems, respect for cultural differences and pluralism, uphold law enforcement, prioritize the interests of the nation and the wider community, through creativity and innovation, excellence, strong leadership, synergy, and other potentials to achieve maximum results.
General Skills	2	Able to study and utilize science and technology to apply it to the field of chemical engineering and be able to make decisions appropriately from the results of their own work and group work in the form of a final project report or other forms of learning activities whose output is equivalent to the final project through logical, critical, systematic, and innovative thinking.
	3	Able to manage self-learning and develop themself as a lifelong learner to compete at the national and international levels, to contribute significantly to solving problems by implementing information and communication technology and paying attention to the principles of sustainability and understanding technology-based entrepreneurship.
Special Skills	4	Able to identify and formulate engineering problems, conduct studies to design a system or process to solve problems based on chemical engineering principles (changing raw materials into products that have added value through physical, chemical and biological processes safely in terms of law, economics, environment, social, political, health and safety, sustainability) and to recognize and / or utilize the potential of local and national resources with global insights.
	5	Able to design and carry out laboratory and / or field experiments by utilizing methods, technical tools, and modern engineering instruments, as well as analyzing and evaluating the results in solving chemical engineering problems.
Knowledge	6	Mastering the principles of mathematics, physics, chemistry, and biology to be able to act as experts (sub professionals) who handle chemical engineering problems.
	7	Mastering the principles and methods of chemical engineering, energy, economic principles and ecological processes to be able to act as experts (sub professionals) who handle chemical engineering problems effectively and optimally.