

Industrial Engineering Students Outcomes

All graduates of the Industrial Engineering program at the University of Concepción have the following Student Outcomes:

1. An ability to identify, formulate, and solve complex engineering problems by applying engineering, science, and math principles.
2. An ability to apply engineering design to produce solutions that meet specific needs considering public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a variety of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and to make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental and social contexts.
5. An ability to function effectively in a team whose members together provide leadership, create a collaborative and inclusive environment, set goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge, as required, through appropriate learning strategies.
8. An ability to manage and administer human, material and financial resources.

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